Two million jobless in UK forecast for 1981

More than two million people, including school leavers, will be out of work in the United Kingdom by this time next year, according to confidential government figures. This represents an increase of 24 per cent. Industrialists forecast three million unemployed in four years' time in a Gallup poll.

Government figures estimate 24% rise

abour Reporter

The Government is working the assumption that the dult unemployment total for Great Britain will rise by nearly quarter between now and this ime next year.

Manpower Services Commishat the total for the first marter of 1981 will reach 1,820,000, representing a year myear increase of 24.1 per

The confidential figure is contained in an internal MSC memorandum. If the totals for schoolleavers and Northern Ireand were included, more than we million people would be we million people would be registered as unemployed in he United Kingdom by early

The Government has already nade public, in its November working assumption of an verage unemployment total of .650,000 during 1980 but the new projection, from the Gov-roment's front line agency in lealing with the unemployed, the most detailed yet to merge from official sources. Based on detailed region by egion forecasts, the MSC table oresees figures (which are rude rather than seasonally djusted) of 1.467.000 for the urrent quarter, 1.581.000 for he third quarter of this year, n.d. 1.820,000 for the first quarter. er of next year. The estimated car on year increase between he third quarter of last year

્ડ 31.1 per cent. The increase may prove to e greater than these figures uggest. The MSC projections are into account a Treasury spectation that economic ectivity in Great Britain will lecline, as a result of world ecession, by 2 per cent: Whitehall economists are aleady thought to be considerre a revision of that estimate. The figures emerge against a sackground in which the MSC ias been forced to reduce some if its programmes because of ublic spending cuts. The ommissioners are meeting at he end or the month to conider how to implement a fur-her £30m cut in its annual

and the same period in 1980

udget to be imposed from .981-82. Taking into account cuts lready made in its projected pending since last June's budtet, and a 12.9 per cent reducion in staffing levels ordered mader the December Civil Serice reductions, the MSC has estimated that its 1983-84 proected spending will now be bout 5200m below previous

stimates of between £800m and The MSC's corporate plan for 1980 to 1984, which was released

after considerable pressure from the House of Commons select committee on employment says explicitly that the commission will be "unable to deliver in full the programmes it has hitherto considered necessary to meet labour market needs."

The plan issues a warning that the estimated total of unemployed school leavers may rise 100 per cent from 90,000 this quarter to the first quarter of 1980 and that the total for long-term unemployed will rise from about 320,000 to close on 500,000 in 1982.

A paper prepared for the MSC's Employment Services Division, which is responsible for job centres and other employment offices hints that the job-finding service of the agency may be curtailed by the combination of cuts and anticipated increase in un-Paper on expenditure, employment. It comments that while the "market" will determine business volumes in 1980-81 "thereafter the reduced numbers of staff available to the ESD can be expected to be a major influence."

Sir Richard O'Brien, MSC's chairman rold employment committee last the commission that might not be able to carry out its statutory obligations at a level that both Labour and Conservative Governments had hitherto considered right.

Mr James Prior, Secretary of State for Employment, has told the commission that if there was any danger that their statutory functions would be curtailed the commission was free to return to him to discuss the Government's allocation of

While emphasizing the importance of the commission, Mr Prior has pointed out that the Government wishes to see priority given to programmes which will assist economic recovery and in turn bring more permanent jobs and help the most vulnerable groups, includ-

ing the young.
Britain's top industrialists are also gloomy about job prospects in the next few years (the Press Association writes),

More than a fifth of those interviewed in a Gallup Poll, commissioned by the BBC's Money Programme, forecast up to three million unemployed in four years time. Only 9 per cent said the figure would be up to one million and 42 per cent said it would be up to two million.
Nearly 60 per cent of the

chief executives of the 100 top companies and 10 nationalized industries, questioned for the programme broadcast yesterday said they expected to employ fewer workers by the end of

Earnings rise by 20%

'Sons of Lenin, what are you doing here?' ask posters appearing on walls of Kandahar

Afghans begin to understand permanence of Soviet Army's presence

From Robert Fisk Kandahar, Feb 17

9 o'clock curfew. It sounds at first more like a yodel than an appeal to God, but as it is taken up across the darkened city, the call acquires a curiously mesmeric effect, a long chorus of discordant, unending, desperare sound—the

little quieter of late as Kanda-har, in western Afghanistan, has begun to understand-rhough The cry of Allahu akhbar not accept—the permanence of (God is great) begins as a thin, the Soviet presence round the high-pitched wall over the roof-rops of Kaodahar just after the for more than a fortnight but five days ago a squad of Afghan and the streets soldiers went round the streets and warned shopkeepers that

and the Government's control cry of an otherwise silent over the city is apparent near the blue-domed Khalkisherif
The shouting has grown a Musque where chain-smoking

back of a lorry.

The five insurgent groups which operate south of Kandawhich operate south of Kanda-har have now united. For the first time, the mullabs have told the city's 80 per cent Sunni population that they should be "aware of events"— The emphasis is on a growing should be "aware of events"— public awareness of political a seemingly over-discrete but nonetheless unprecedented re-ference to the Soviet later. Union The poster addressed to ference to the Soviet inter-

on the walls of the bazaar. One rumours of local political in-

Lenin—what are you doing here?"

It is as yet a muted reaction. enmity towards the Soviet Union. The poster addressed to the Russians, for example, is More intriguing, however, is written in Pushtu, a language the series of poorly printed with which Soviet troops are posters that have in the past unlikely to be over-familiar. few days made their appearance. And although there are

Afghan soldiers lounge in the says: "The people are asleep—fighting between the Parcham why do you not wake up?" and Khalqi movements within the five insurgent groups Another—addressed to Soviet the governing People's Demowhich operate south of Kanda-troops—says simply: "Sons of cratic Party, there have been no attacks on the Kandahar headquarters

مكرامن الدُميل

party headquarters by the mojaheddin guerrillas. Assuring Allah of his greatness every night at 9 o'clock is not going to have any palpable encamped at the city's airport nine miles to the south. A squadron of MIG21 fighter aircraft are parked near the con-trol tower and Russian convoys have been moving further south.

lorries drove through their city. The first tank was seen just after 9 pm and the convoy continued to pass the city centre— the vehicles travelling nose to tail-until 4 am. Much of this armour is said to have been positioned on the southern road towards Spindboldak on the Pakistan border.

In Kandahar, inflation has cut into wages, and food prices have almost doubled since Continued on page 4, col 8

Steel strikers offer 'lifeline or nothing' By Paul Routledge Labour Editor

Steel union leaders offered the British Steel Corporation a "lifeline" in peace talks last night but predicted that the industry's national strike will go on into its ninth week.

General secretaries of the dominant Iron and Steel Confederation and the National Union of Blastfurnacemen put their proposal of an agreed union document of job flexibility, manning levels and productivity bargaining to BSC executives during an encourag-

ing three-hour meeting at Tees-side Airport, near Darlington. The initiative will be taken up in a further round of joint talks in London on Friday, when the unions will spell out how far they are prepared to go in changing working practices and how much they want in return.

Mr William Sirs, general secretary of the confederation, said after the talks: "We have given them the opportunity of a lifeline, and if they do not accept that, they have accept that they have nothing. He would not put a price on the joint document but argued that British should divert money from the E270m it has earmarked for redundancies this year into a pay deal.
The steelworkers have re-

jected the corporation's offer of 10 per cent for acceptance of a comprehensive agreement on flexible working and reduced manning together with a mini-mum of 4 per cent on the conclusion of local productivity

deals.
The confederation executive meets this morning to consider its next move in the dispute. Mr Sirs is expected to be given full backing for the renewed peace initiative.

British Steel management was last night cautiously optimistic about the prospects for a resumption of full-scale negotiations.
Mr Robert Scholey, the cor-

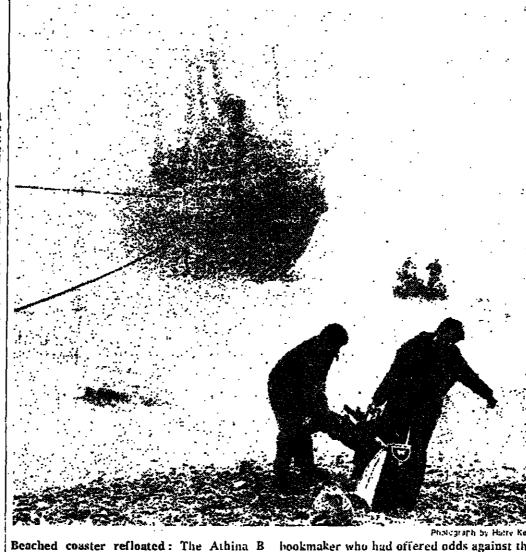
poration's chief executive, said: "They will give us their defi-nitive position. We have said we will look at it.
"But so far as the final offer

is concerned, we are at the limit of our funding. If their proposals require an increased percentage they had better set out the means by which they will be determined."

British Steel was disappointed that the steelworkers and blastfurnacemen yesterday rejected both arbitration and joint nego-tiation with leaders of the craft and general workers, whose efforts to reach a separate settlement failed last week. But it is encouraged that the ISTC and NUB are to put a firm set

of demands on paper.

The two sides are still deeply divided on a number of key changes being sought by British Steel. A confidential draft of paper that will be put to Continued on page 2, col 2



bookmaker who had offered odds against the operation succeeding. The ship, balanced on her starboard side by bags holding thousands of tons of water and guided by cables tour inches thick, swayed gently as the spring tide floated her off. She is being towed to the

Mr Mugabe fails to attend party rally after 'threats to safety'

From Dan van der Vat Bulawayo, Feb 17 Mr Robert Mugabe, leader of

the radical Zanu (PF) Party in the Rhodesian election, abruptly cancelled his scheduled appearance at a mass rally here today. His move followed the startling official admission this weekend suggesting that Rhodesian security forces may have

been responsible for at least one of last week's church bombings in Salisbury.

Up to 50,000 people had gathered in the blazing sun to hear Mr Mugabe, even though this region is solid for Mr Joshua Nkomo's Patriotic Front Party When Mr. Nkomo came Party, When Mr. Nkomo came to the same place, Barbourfields football ground about 200,000 people turned out.

At the stadium, Zanu (PF) officials told correspondents that Mr Mugabe had been forced to change his plans because of "threats" against him, about which they had been informed and because of the formed, and because of the general scurity situation. They rejected suggestions that he had decided not to appear because the crowd was not big enough.

In Salisbury yesterday, an inprecedented statement was put out by combined operations headquarters of the Rhodesian security forces. It disclosed that the two men who died on Thursday, when a bomb went off in their car, were black oldiers of the Rhodesian Army. lieutenant and a corporal.

The explosion occurred near

church in Harare township. Later the same evening two other bombs set off by timing devices severely damaged two other churches. Blast from one surface damage to Salisbury's biggest hotel. On Friday an unexploded bomb was found at the side of the Roman Catholic carhedral in the city. On it were written pro-Zanu (PF) slogans in bad Shona, the language of the regions which most strongly

support the party.

Police sources immediately concluded that a Marxist campaign of terrorism against the Christian churches had begun. Others took a less simplistic view which now appears to be

view which how your vindicated.

The combined operations statement said: "It has been statement said: the about 55 minutes before the explosion (at Harare), the two men had made a telephone report to their duty officer. They had information about the presence of two Zanla [Zanu (PF)'s military wing] terrorists. The men were in-structed to follow up their information and to report back when possible.

The communique does not explain how two soldiers came to be sitting in a private car; what they were doing in a township; or why they had seen fit to do work reserved for the police. It then goes on to report the deaths of the lieutenant and he corporal, both aged 27, as if these were unrelated.

The men's unit was not given. but it is understood here that were members of the Selous Scouts, the tough special operations and "dirty tricks" unit of the Rhodesian Army, widely known to disquise themselves as guerrillas when it suits

Muzorewa campaign, page 4

Graham Sutherland dies in hospital

being refloated from Brighton heach yester-

day. Thousands peered through the mist as

the Greek coaster, which ran aground in a

storm last month, was towed away by a tug

while a Salvation Army band played Rule

Britannia. Champagne was provided by a

Grahum Sutherland, the painter, died last night at the Royal Free Hospital, Hampstead, London. He was 76. He and his wife, Kathleen, whose main home for more than 20 years had been near Menton in the South of France, had spent January, as was their practice in Milford Haven, Wales, the nearby estar-

State assemblies

dissolved in India

Engineering in decline

Britain's engineering companies up to 20 per cent, according to a report published today. It blames the Government for being unaware of the impact its economic policies are having on the health of the manufacturing sector Page 15

Party lead varies in Canada polls The Liberal Party remains favoured to win the Canadian election, according to opinion poll results. But while a Gallup

poil finds the party strongly ahead, a television survey gives it a 10 per cent margin only Page 4

Summons threat

to police chief A select committee of MPs is threatening to issue a summons to Sir David McNee, Commissioner of the Metropolitan Police, if he maintains his reluctance to give evidence before it. Other police chiefs have been invited to give evi-dence on picketing and demon-

Mrs Indira Gandhi, the Indian face at least 18 mouths of reces-sion and a decline in orders of special Cabinet meeting to dissolve nine state assemblies, including Bihar and Uttar Pradesh, where the governments are not members of her own Congress Party Page 4

Weld failure led

to rail crash The devailment of a London to

Manchester express train on Saturday night resulted from failure of a weld between rails made on site last autumn." British Rail said

Corridors of laughs: Yes. Minister, a new BBC 2 comedy series, draws its humour from the upper levels of govern-

Lebanon: Syrians kill 60 villagers in six days of shelling 5 Cricket record: Ian Botham

takes five wickets and scores a century in same Test match for third time Computers: An eight-page Special Report on the future of a £20,000m industry

Classified advertisements: Perrive evi-demon-ments, 6, 8, 21, 22; Commercial Page 2 and Industrial Property, 8

On other pages

Breakdown in Lebanon

Rome News

European News Overseas News

Appointments Arts

Couxt

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Letters: On unions and the law, from Mr David Madel, MP, and Mr Richard Yorke, QC; village schools, from Mr Keith Jones; the Vikings, from Dr David Abulafia and Mrs. John Kerr. and Mrs John Kerr Leading articles: Irish unity;

Arts, page 7 account of the middle years of women's downfull; Tennis:
Samuel Johnson; Margaret Barbleri interviewed by John Pertide; Football: Hiberman sack
cival; Michael Rancliffe on The George Best

Letters

South Bank Show and Michael Church on Gay Life (both London Weekend) Features, pages 6, 12 Charles Douglas-Home describes Russia's proxy war in Kampuchea; John Lyons and Richard Needham

on the Employment Bill

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Mr.F. W. Brooks, Charlie Cairoli
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Rogby Union: Ringer is suspended
for eight weeks after being sem Philip Howard reviews Dictionary off against England; Olympic Johnson, James L. Clifford's Games: Annemarie Moser wins account of the middle years of women's downbill; Tennis:

> Diary Engagements Features Science Snow reports Sport TV & Radio Monday Book Oblivary Parliament Theatres, etc 25 Years Ago Premium Bonds Property

Two questioned on colonel's death ho German police over the

said police were investigating

Bielefeld, West Germany, Feb 17.-The public prosecutor here shooting. A police spokesman today offered a DM50,000 (512,500) reward for information leading to the arrest of a man and woman who killed Colonel Mark Coe of the British Army of the Rhine here last

Col Coc. aged 43, a father of in the case, but they emphasix was shot as he drove out of his garage. Though hit by three bullers, he managed to three bullers, he managed to the bour saw a man and a woman his house. He died in bospital four hours later after unconnected fire immediately.

successful surgery.
Later a British military
spokesman at Rhine Army headquarters said an Irishman from Dublin and a German woman were being questioned

the possible involvement of the Irish Republican Army. Later German police sources confirmed that a Dublin man and his German-born wife in

bour saw a man and a woman step out of the shadows after Colonel Coe parked his car. They opened fire immediately and then ran off down the

The neighbour said the male unman appeared slightly gunman shorter than his female accom-

who wore a beige woollen jacket with a check pattern. They were aged around 30. Police said one of the fatal bullets was of 9mm calibre. The other two were of heavier

Served in Ulster: Colonel Cod served in Northern Ireland in 1972 and was promoted Lieutenant-Colonel three years later (Henry Stanhone write-). commanded the Engineer Regiment at Hamelin in Germany, and was promoted to full colonel before taking his present job

An Army spokesman said last "We can think of no reason why he should have been singled out for an assessination

Iransport emergency

at games

Lake Placid, Feb 17.—A

"limited state of emergency"
was declared in the area of the
winter Olympic Games site
during the weekend as thousands of would-be spectators
were transped for hours in showwere trapped for hours in snow bound car parks.

The emergency powers, invoked by Governor Hugh Carey of New York, enabled the state's Olympics task force to hire more buses and make special overtime arrangements with bus drivers to keep traffic flowing in the Adirondack Mountains region.

The action was required yesterday after thousands of ticketholders to the games tried to reach Lake Placid in their own cars, rather than using buses hired to bring them to sports venues from car parks on high-ways leading into the isolated area. Overnight snow added to the problems.

Between 4,000 to 5,000 people were forced to wait in car parks at Keene, 30 miles from Lake Placid for up to two hours be cause there were not enough buses to move them.-Reuter. Unsold tickets: In Montreal, the expected influx of tourists during the games has not materialized and one contractor still has 8,000 tickets left to sell out of a total of 15,000. Only one bus a day is leaving Montreal for Lake Placid (Our Montreal Correspondent writes). Mr Pierre Morin of the

Quebec Chamber of Commerce, which has been helping the Lake Placid Olympic Organizing Committee, said that tickets were not supplied far enough in advance. In Europe tickets should have been available by the spring of 1979, he said, but were not on sale until the autumn. At the same time the committee underestimated the number of people from the immediate area who would be travelling to the site daily, he said.



Tito illness eases but still critical

Belgrade, Feb 17.—President lito's condition eased slightly oday, but doctors said he was till gravely ill

Official sources said the medial team treating the President and apparently halted further leterioration in his heart and idney functions and he now and periods of consciousness. On a cautionary note they amphasized that his overall conlition remained critical, and hat the slight easing was not recessarily significant.

President. eported in a coma, was driftag in and out of what they issribed as "deep sleep", but lad exchanged a few words with anion of the state of enior officials visiting him at nis hospital bedside at Ljubjana, northern Yugoslavia.

A medical bulletin said his leneral state of health was unhanged, but there was no men-ion of the "significant weakenng" of his kidney functions reported 24 hours earlier. Yesterday's bullerin described his Condition as grave.
The sources said there was a

slight response in the action of his kidneys this morning.

Three days ago, official surres said hope of saving the provident of the same of the President's life had been virtually abandoned because of serious complications following the amputation of his left leg to clear an artery blockage out further deterioration, but they ruled out any chance of full recovery.

Photograph, page 4-

Today, other sources in close touch with the situation said it might still be possible to stabilize his condition, with

By Caroline Atkinson
Pre-Budget Treasury forecasts
show earnings rising at nearly
20 per cent in this pay round
and are much more pessimistic
about the prospects for price
inflation than the last forecasts
published in the autumn.
They will add to growing cou-They will add to growing con-tern within the Government about continuing high inflation and high interest rates. An earnings increase of this size would put severe upward pressure on interest rates.

By Caroline Atkinson

Treasury ministers and the Prime Minister had hoped that interest rates would start to come down with the Budget pext month. They are unhappy about the present high cost of money. However, intense pressure in the money markets in recent weeks, coupled with worsening inflation, has re-duced the prospect of lower

interest rates. The Budget is likely to be shaped with inflation very much in mind. There is strong pressure on the Chancellor to bring the public sector horrowing requirement below £10,000m as the only way of getting interest rates down. The grim prospects for infla-tion, underlined by last week's

figures for both wholesale and

retail prices, could lead the

Government to forsake income

tax cuts or even to raise income tax to avoid putting up indirect For some weeks the Treasury taxes. has been considering saving money in the Budget by not raising income tax anowances in line with inflation or by inflation, the exchange rate, abolishing the lower rate tax abolishing the lower rate and the exchange rate. raising income tax allowances A recursion in the employer

Treasury study shows national insurance surcharge is also being looked at. This would both ease inflation and reduce the pressure on company finances. An acute squeeze on company profits is one reason for the high bank lending which has pushed money supply growth up and led to high

interest rates.
The latest Treasury forecasts were presented to Treasury ministers and top-level civil servants last week. The underlying increase in earnings in the present pay round is thought to be just under 18 per cent. The Clegg awards for comparability payments in the public sector are thought to add about another 2 per cent.

However, there is some hetter news for ministers in the forecast for next year. A sharp drop in the rate of wage inflation is expected in the next pay round from mid-1980 to mid-1981. Rising unemployment this year is expected to curb wage demands later on. Mr Terry Burns, the Govern-ment's new chief economic adviser, has made some changes in the presentation of

the forecasts—the first since he

has been in his new job-but

has so far made no changes in

the way the Treasury arrives at its predictions. Senior civil servants and ministers have been circulated with an introduction to the forecasts setting out the main areas where judgments have to be made that can have a big impact on the overall picture. These include earnings and

Politicians are likely to find 'Yes, Minister' compulsive viewing

Sir David McNee may be summoned by Commons committee

Political Reporter

An all-party Commons specialist select committee is threatening to issue a summons to Sir David McNee, Commissioner of the Metropolitan Police, if he maintains his rejuctance to come before it and give evidence.

That was made clear last night by Mr John Golding, the Labour chairman of the Select Committee on Employment, and Mr John Gorst, leader of the Tory backbenchers on the com-

The committee has invited a number of chief constables to give evidence next week on picketing and demonstrations, but Sir David has rold it that he is reluctant to appear.

Mr Gorst (Barnet, Hendon, North) who was closely connected with the Grunwick picketing affair, said last night: "My understanding is that he is showing reluctance, and the committee naturally wish to examine him. If necessary the Serieant at Arms will be sent Serjeant at Arms will be sent to summon him."

Mr Gorst added: "I cannot understand his reluctance, be-

cause there has never been more sympathy for the police in the House of Commons than there is at present. He will certainly be assured of a sympathetic

and will accept no excuses or substitutes from anyone".



Sir David McNee: Reluctant to appear before MPs.

Mr James Prior, Secretary of State for Employment, is to give evidence to the committee on Wednesday, and Mr Golding said that at first the Department of Employment had suggested that Mr Patrick Maybew. Parliamentary Under Secretary of State for Employ-ment, should be the witness.

"We insisted that we wanted Mr Prior to be the minister giving evidence", Mr Golding said.

The committee is to send an Mr Golding (Newcastle-under-Lyme) said: "Our select com-mittee will always insist on South Yorkshire, whose officers seeing the person in authority have been on dury at the have been on dury at the picketing of Hadfields, Sheffield, to give evidence.

Ministers try Change in to stop MP's revolt

By Our Political Reporter

Government ministers will try tonight to head off a "rural revolt" by Tory backbenchers which could be far bigger than that over school transport last

Mr Patrick Jenkin, Secretary of State for Social Services, is to address a joint meeting of the backbench social services and agriculture committees on fears about the survival of sub-postoffices. More than sixty Conservative MPs have signed a motion demanding assurances and so far none has been given.

The backbenchers are afraid because the Opposition is expected to lay a trap in a de-bate tomorrow by tabling a motion similar to theirs. With-out some assurance from the ministers they will feel obliged, at least to abstain if not to vote against the Government.

It was explained last night, however, that Mr Jenkin would not be in a position to give assurance on the payment of welfare benefits through subpostoffices because no Govern-

The ministerial working party to consider the various propo-sals of Sir Derek Rayner in his efficiency report has so far not even met.

The total saving of all the proposals in the Rayner report is estimated at £35m to £50m.

By-election choice by Tories

Mr Edward Taylor, former Conservative spokesman on Scottish affairs, was chosen on Saturday as prospective candidate for Southend. East. A byelection is to be held shortly. He lost Glasgow. Cathcart, at the general election.

The by-election is caused by the death of Sir Stephen Mc-Adden. The Conservative majority at the general election was 10,774.

Exploitation fear voiced

Many workers would face ruthless exploitation" if the proposal in the Employment Bill to end the right of unions to go to arbitration on claims for the "going rate" of wages in a particular industry was carried, Mr Douglas Grieve, general secretary of the Tobacco Workers' Union, claimed yesterday.

age for MPs put industrial relations on a sound legal footing, he said. That was the prize which, as a nation, we simply could not afford to lose. considered

Mr Leon Brittan, a Minister of State at the Home Office, said on Saturday that the Government was considering giving Britons living abroad the right to vote and to reduce the age at which people can be-come MPs to 18.

It was also considering raising the £150 deposit at elec-

Mr Brittan, who was speaking at the annual conference of the Young Conservatives at Scar-borough, also said the Home Office was considering allowing people on holiday to vote in general elections and byelections for Parliament

He said the £150 deposit was fixed in 1918 and in present-day terms that would be about

tionships as accurate as pos-Jay and Lynn sold the idea

fond of saying, do not watch much television. In fact, according to the writers of a sible. new television comedy series, they appear on the small screen more than they actually

Mr Prior's warning of

risk to democracy

Nevertheless, Yes, Minister, the new series which begins on BBC-2 next Monday and runs initially for seven episodes, is likely to become compulsive viewing not only for politicians but for the civil servants with whom they deal.
The writers, Anthony Jay and Jonathan Lynn, have invented an entirely new ministry in which they trace,

tween minister and permanent

By Our Political Reporter

Strong warnings that if the Government's industrial relations measures were not implemented democracy could be in

jeopardy were given yesterday by Mr James Prior, Secretary of State for Employment. Mr Prior, who faced demands for earlier action on trade

unions when he addressed the Young Conservatives' annual

conference in Scarborough, suc-ceeded in winning another round in his battle over the

pace of implementation.
The Government's aim was to

We know what the policy is

and we know what to do", he said. "It is your future that is

at stake in this, it is your country that is at stake in this.

Let us not make the same mis-takes again. Let us get it right

this time, and then we can all

The Employment Bill, he

said, would give companies an opportunity to end the power

of the flying picket. It pro-vided employers with a remedy

that was fast and which had

been used effectively. Heading off critics as he had

done before, including some of his Cabinet colleagues, Mr Prior

said: "What matters above all

rejoice.'

the intricate relationship be-

care and research that have MPs, as they are frequently making the themes and rela-

to the BBC three years ago but until the threat of an election

Whitehall and Westminster the jargon ("We have taken corridors of power. Paul Edd- on board... are fully seized ington, who plays the new of") and penetrated the meanminister at the Department of ing of certain phrases such as Administrative Affairs, which "going native", which is the exists to sort out the problems stage a minister reaches when of all other departments of government, was heard to drawing on source material such as the Crossman Diaries, remark of one episode: "It reached such depths of cynicism it actually gave me vertigo "

Anthony Jay, who used to Yes, Minister is described as a new kind of comedy series because it draws its humour after the programme and this from the upper reaches of gove gave him an insight into their ernment and because of the problems.

in with tough-sounding measures

which then will not work or cannot be enforced".

balance. The Government be-

lieved it had got to get the balance right, in the interests of trade unionists, management

"There are few other ques-

tions now so central to our national interest", he said. Mr Prior, who is to publish a consultative document on pro-

a consultance document on pro-posals for trade union immuni-ties this week, said they would restrain secondary action such as "blacking". After consulta-tion there would be new pro-visions added to the Employ-ment Bill. Later in the year the

Government would publish the results of "our thorough-going

examination of union immuni

Hailsham warning: Lord Hail-

sham of St Marylebone, the Lord Chancellor, told the con-ference: "Let no one suppose that even in the emasculated

state of the law left by the Lab-

our Perty intimidation is legal" (the Press Association reports).

"The appalling scenes at Hadfields a few days ago and at Grunwick, in which two Labour Cabiner ministers saw

fit to participate, although I do

not suppose for a moment they intended the result, are not just

breaches of the civil law with which Mr Prior's Bill is con-

and the nation.

There must always be a

New TV series studies corridors of power that may be illumined is the ceal the truth produces one of difficulty of putting into practice and into law the policies on which you, as a politician,

gor elected shelved.

They are hoping that the minister acting at all can be public will be given a greater called into question."

The writers have the minister acting at all can be minister than before into the writers have corridors of the corridors.

has become indistinguishable from his civil servants.

They also look at the role of the private secretary, who has to be an impeccable civil servant yet loyal to his minis-

Nigel Hawthorne plays the rmanent secretary, Sir permanent secretary. Sir dinate Humphrey Appleby, whose use titles.

The Fiat Panda, a versatile small car.

Spacious

economy

from Fiat

Motoring Correspondent
Fiat of Italy has announced a
new small car, the Panda, which

will fit into the range between the 126 and 127 models and

strengthen the company's pre-

expects important growth in the

The Panda, designed by one

of Europe's leading car stylists, Giugiaro, is a foot longer than

the BL Mini and is claimed to

offer more interior space in relation to its overall size than

any other front-wheel drive model in its class.

By Peter Waymark

He said: "One of the things of convoluted sentences to con-

The script guides a careful central path between the "Although the press has a sented in Parliament. It has tendency to use headlines like, also had to avoid the sex of the prime minister and to call party headquarters "Central

> Whether the initial series of seven is followed by more depends to some extent on whether MPs who do watch supply the writers with more grist for their comedy mill. The first episode is called " Open "Open Government", which to one of the authors is itself

tinged with irony, since it is not BBC policy to allow light

entertainment programmes to be seen by television writers before they are transmitted. The writers have also had to ter, hoping himself to become submit to losing some of their lines in order to accommodate

ous combinations of knee room

and luggage space, a hammock for a young child or a double bed for campers. It can also be

Another unusual feature is

that the seat covers, door trims and dashboard mounted pocket can be taken out for washing.

There is a large rear door for

easy loading and the car is fitted with deep plastic bumpers and

side strips for protection against minor knocks.

powered by the 903 cc engine used in the Fiat 127, giving a

top speed of 87 mph and

average fuel consumption in the

region of 35 to 40 miles a

The British version of the

a permanent secretary in 10 or what they regard as an inordinately long list of credit

Unionists reject unity call by Mr Haughey

From Our Correspondent

Reaction in Northern Ireland yesterday, to the speech on Saturday by Mr Haughey, the Irish Prime Minister, was a predictable rejection by the various Unionist parties and an equally predictable welcome by the Social Democratic and Labour Party.

Observers point out that al-though Mr Haughey's references to Ulster were surpris-ingly low key, they contained the demand for Irish unity which is anathema to Unionist

thinking.
The Rev Ian Paisley, leader
of the Democratic Unionist Party, said that the speech would only strengthen the re-solve of the Ulster people, "Mr Haughey should learn quickly that neither Irish bullets nor Irish blarney will make the Ulster people surrender. It is not Northern Ireland that has

failed but the Irish Republic." Mr Peter Robinson, DUP member for East Belfast, said the speech gave justification and encouragement to the IRA, aims Mr Haughey

"It also demonstrated his intention to make more difficult the task of the constitutional conference", Mr Robinson said. " By his words, and words alone, he condemns the subversives. Yet his pronouncements on the north can give nothing but comfort to the IRA. He is the best friend the IRA has

Mr Seamus Mallon, deputy leader of the SDLP, said Mr Haughev had taken a very posi-tive and constructive line which pinpointed the only way an overall solution to the Northern Ireland problem could be

found.

Mr James Kilfedder, Ulster Unionist MP for North Down, said Mr Haughey's speech gave added strength to his belief that Ulster people had to band together for mutual self-protection.

Permanent peace" plea: Mr Haughey said in his speech that the time had come for the two governments in Dublin and London to work together to find a formula that would bring permanent peace and stability to these islands (our Dublin Corespondent writes i

The situation in Northern Ireland was urgent, he said, and time was running out. Northern Ireland as an entity was artificial and had been artificially sustained. The constitutional conference, even if successful, could not provide a conclusive settlement.

"In my view a declaration by the British Government of their interest in encouraging the unity of Ireland by agreement and in peace would open the Prices are expected to start just below those of the 127, the cheapest version of which costs £2,849. The Panda will be made The rear sear can be adjusted at Fiat plants in Milan, Sicily to seven positions, giving variand Pamplora, Spain. way towards an entirely new situation in which peace, real

obtainable reality. For our part no wish to dominate or

we gladly declare that we have Mr Haughey was speaking at the Fizuna Fail party's annual

conference. It was his first main declaration on Northern Ireland since he replaced Mr Jack Lyuch as Taoiseach last year and it had been eagerly awaited by the 7,000 delegates. Although an even stronger

statement on unity would have been welcomed. Mr Haughey received a standing ovation that lasted well over five minutes. His call to Britain for a declaration of its interest in encouraging unity brought the delegates to their feet haifway

through his speech. Mr Haughey did not announce any new departures; but he made it obvious that he believed in plain talking on the North and that he sees partition as the root of the trouble. He is expected to be tougher

towards Britain than Mr Lynch ever was. Some observers viewed his statement that the republic spends a much needed £70m on security measures directly attributable to the northern situation as an indication that he will expect some return from Britain for such

Mr Haughey said that the need for a solution in the North became increasingly urgent, and unless one could be brought forward soon the situation could well become irretrievable.

The picture was a depressing one. He condemned, however, those who put themselves above the law or took to themselves any of the functions of government. No Irish government, he said, would tolerate such a group. He saw, however, that violence and repression were inevitable in such an artificial

"Should the present consultutional conference help to ensure civil rights and equality for all the people of Northern Ireland and to ensure also that security operates impartially, then so much the better.

entity.

"But the conference itself cannot provide a conclusive settlement. We must face the realization. We must face the realization that Northern Ireland, as a political entity, has failed and that a new beginning is needed."

The speech was more in the nature of a pep talk to the nation than a policy statement. Mr Haughey constantly underlined the problems and the need for hard work and peace-ful industrial relations to solve them. Ireland was facing one of the most serious econoknown for a long time.

Leading article, page 13

Union tries to water down redundancy package

Continued from page 1 The clear intention of the British Steel on Friday makes

this clear. In the preamble, the steelworkers quarrel with the corporation's insistence that pay increases "must" be financed through improved performance, and replace it with the less exact hope that this process "will" take place.

The steelworkers refused to constructive joint disaccept ' cussions" on streamlined manning, and reject the idea of a moratorium on pay claims over the next year. An end of February deadline for talks to reduce excess manpower also

goes by the board. In the union's document as it stands, British Steel contentious programme of collective bargaining reform is thrown out completely. The entire section of British Steel proposals on future relationships has been

This clause would have com-

mitted all unions in the industry to rationalization on the negotiating machinery, starting with the establishment of a national joint industrial council. Confederation leaders want none of this, though they are prepared to talk about multiunion productivity committees at works level to negotiate on the corporation's proposals for lump-sum bonus schemes, but not until there has been pay-

ment across the board for this national undertaking to make

local agreements ".

steelworkers' response is to water down British Steel's package so that its original inten-tion to shed 12,000 jobs is effectively frustrated.

A further target for the unions is the plan to eradicate traditional job demarcation. While accepting the need to improve working practices and relationships, the Confederation wants to delete all reference to a dialogue to allow the relative position and responsibilities of process and maintenance workers to be clarified and the means by which a common wage structure could emerge".

Yesterday's talks took place behind locked and guarded doors in a conference lounge in the "no man's land" beyond the passenger barrier at Teesside airport, a bizarre venue that British Steel officials tried to keep secret for fear of demonstrating pickets.

In the event, the few strikers union leaders in a car chase of speeds of up to 90 mph from an hotel in the centre of Middlesbrough were greatly outnumbered in the airport lounge by the news media and the travellers.

Four senior British Steel managers flew to the north-east in a chartered jet for the talks. The team was Mr Scholey, Dr David Grieves, managing director (personnel), and Mr Peter Broxham and Mr John Hollis, industrial relations

Is that the much needed changes which Mr Prior's Bill is con-we are making will stick and cerued. They are breaches of will work. It is no use rushing the criminal law." Private steel producers to discuss ways of reopening works

> £10m a week because of the national steel strike, are to meet tomorrow to plan their next moves in a campaign to reopen their works. A further appeal to the Prime Minister is not

ruled out. Nearly 20,000 members of the eration employed by the private steel companies have been brought out by the union in support of its strike against the British Steel Corporation over

a pay claim.

of the ISTC's instructions.

The strike is about to enter Picketing at the works has so

against the background of heavy picketing which the union plans to deploy to bring production to a standstill at the Norwegian owned Manchester Steel, and

at Sheerness Steel.
The Canadian-controlled Nearly 20,000 members of the The Canadian-controlled Iron and Steel Trades Confed-Sheerness Steel is the only eration employed by the private private company which has managed to maintain production throughout the strike and whose employees have continued to report for work in defiance of the ISTC's instructions.

By Peter Hill its eighth week. Tomorrow's far been fairly peaceful, but a decided to follow the union intained production near to meeting of the executive com-confrontation is now feared. struction and remain on strike, normal, without hig layoffs. At Leaders of Britain's independent mittee of the British Indepensive Sheerness was the first plant. The possibility of a general the beginning of the strike, steel producers, who are losing dent Steel Producers' Association of its kind to be built in Britain, ballot of workers throughout stocks were high, but the next tion (Bispa) will take place and its workers enjoy higher the private sector will

sence in a part of the market car, which will go on sale in where, for economy reasons, it about a year's time, will be

wages than in most other works. among ideas discussed at toLast week heavy picketing of morrow's meeting, but it seems panies.

the Lonrho-owned Hadfields unlikely that companies will Representatives of Bispa and works, at Sheffield, led to the company stopping production the experience so far at intives of the main steel-using after workers decided reluctantly to reverse an earlier decision to return to work in

defiance of union instructions. Workers at another big independent company, GKN Brymbo, in North Wales, voted overwhelmingly in a secret ballot to return to work, but at branch meetings later also

dividual companies.

resolved, several private companies could be faced with permanent closure if the strike continues.

be two weeks will be critical for

industries today in the latest o Apart from having the same a series of weekly meetings held difficulties as the BSC in by the Confederation of British regaining lost customers when Industry to assess the level of the strike is eventually stocks and the ability of industry to maintain production. panies could be faced with Managerial ingenuity in main-permanent closure if the strike taining production and securing continues.

So far industry has main- being rested even further

Rebel union men switch work to avoid pickets

Manchester Steel, one of today's targets for flying pickets in the national steel strike, will be closed today except for safety and office

Rebel members of the Iron and Steel Trades Confederation who have refused to join the strike made a pact with the management to work on Saturday afternoon and yesterday, when normally the works would have been closed, instead of today.

The Norwegian-owned com-

pany said yesterday that whether normal production resumed tomorrow depends on a continuous review of a possibly changing situation."

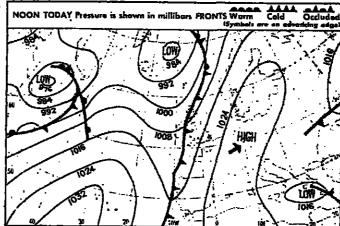
The company, which has two small plans in Manchester, employs about 450 people pro-ducing nails and chain link fencing. About half the workers belong to the federation.

Northern strike leaders, de-lighted with their success in closing the Sheffield plants of Hadfield, another private steel company, named Manchester on Friday as one of their man targets for flying pickets.

Mr Michael McGahey, presi-

dent of the Scottish miners, said at the weekend that picketing would be stepped up at the steel plant at Steerness, Kent, with help from miners. The miners' union had received a request for help from the steel workers, he said.

Weather forecast and recordings



Lake District, SW England, Wales: Bright periods, becoming cloudy with rain or drizzle in W; wind S, fresh or strong, becoming moderate; max remp 10° to 12°C (50° to 54°F).

Glasgow, Moray Firth, Central Highlands, 5W and NE Scotland, Isle of Man: Rather cloudy, rain or drizzle, bright intervals, hill fog; wind S, fresh or strong, becoming moderate; max temp 9° to 11°C (48° to 52°F).

Edinburgh, Dundee, Aberdeen: Bright periods, becoming rather cloudy, a little rain at times; wind S, moderate or fresh; max temp 9° to 11°C (48° to 52°F).

Argyll, NW Scotland, N Ireland: Periods of rain or drizzle, hill Today Sun rises: Sum sets: 7.10 am 5.20 pm Moon rises: Moon sets: 8.22 am 8.22 pm Moon rises: Moon sets:

8.22 am

8.22 pm

First quarier: February 23.
Lighting up: 5.50 pm to 6.39 am.

High Water: London Bridge, 2.0
am, 7.6m; 3.28 pm, 7.8m. Avonmouth, 8.41 am, 14.4m; 9.4 pm,
14.1m. Dover, 12.15 pm, 7.0m

Hull, 7.37 am, 7.7m; 7.44 pm,
8.0m. Liverpool, 12.20 am, 9.8m;
12.39 pm, 10.2m.

1ft = 9.3048m.

1m = 3.2808ft.

A mild S airstream covers the British Isles. A trough of low pressure will move slowly E into N and W districts. Outlook for tomorrow and weu-nesday: Occasional rain spread-ing E to most parts, becoming brighter and drier in W; temp brighter and drier in w; temp

Forecasts for 6 am to midnight: London, Midlands, Central S England, Channel Islands: Dry, sunny periods, but dull and misty in places at first; wind S, light

in places at first; wind S, light or moderate; max temp 11° to 13°C (52° to 55°F).

East Anglia, SE England: Dry, sunny periods, but dull with mist or fog parches in places; wind, light or moderate; max temp 11° to 13°C (52° to 55°F).

Borders, NE, central N, NW and E England: Dry, sunny periods developing, parchy hill fog at first; wind S, moderate, increasing to fresh; max temp 11° to 13°C (52° to 55°F).

Wind S, fresh or strong; sea moderate or rough. WEATHER REPORTS YESTERDAY MIDDAY: c, cloud; I, fair;

C F | Size | F | Size

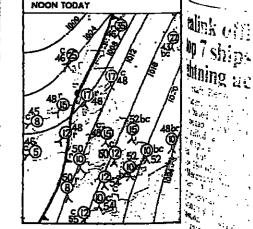
Periods of rain or drizzle, hill for, clearer, drier intervals,

becoming near normal, patchy fog and frost at night.

Orkney. Shetland: Bright periods, becoming mostly cloudy, rain or drizzle; wind 5. fresh or strong locally, gale in exposed parts; max temp 8° or 9°C (46° to 48°F).

Sea passages: S North Sea, Strait of Dover, English Channel (E): Wind S, Iresh; sea moder-

St George's Channel, Irish Sed :



Saturday

England

London: Temp: max 6 am to 6 pm, 9°C (48°F); min 6 pm to 6 am. 7°C (45°F). Humidity, 6 pm, 80 per cent Rain, 24hr to

6 pm, 0.05in. Sun, 24hr to 6 pm. nii. Bar. mean sea level, 6 pm, 1,021.6 millibars, rising. Yesterday London: Temp: max 6 am 10 6 pm, 13°C (55°F); min 6 pm to 6 am, 7°C (45°F). Humidity, 6

pm, 76 per cent. Rain, 24hr ro

6 pm, nil. Sun, 24hr to 6 pm, 6.4hr, Bar, mean sea level, 6 pm. 1.025.1 millibars, rising.

1,000 millibars=29.53in. Overseas selling prices

German television programme to be made on lakes inquiry from Wast Water for the Wind- at greater cost, by tapping the The procedure has become inform the local objectors by particularly complicated be telephone of the dates and times

From John Charters Whitehaven

The public inquiry into proposals to take more water for industry from either Wast Water or Ennerdule Water, in the Lake District, is to be the subject of a West German television programme and of a televised Open University course. The "two lakes" inquiry

reaches its twenty-first day and enters its sixth week tomorrow. It is expected to last for at least another 33 days, making it more than half the length of the 100day inquiry into the Windscale nuclear fuel processing project, with which the present water proposals are linked. Estimates of the probable cost

They may be on the modest side if the full costs of the salaries of officials and executives sitting in on it through-out, their hotel and travel expenses and "computer time" are taken into account. The Windscale inquiry was estimated to have cost Cm.

The interest of the German television company, ARD, is focused on the inquiry's links with the nuclear power programme, British Nuclear Fuels

plant.

The Germans are also interested because the British do not seem to stage noisy and riotous demonstrations against proposals connected with nuclear power but instead hold lengthy and expensive inquiries.

The BBC Open University unit will also be filming and recording parts of the inquiry to fit into a forthcoming course on public administration. Inevitably, objectors such as

local farmers and landowners and organizations like the Friends of the Lake District and the Friends of the Earth have criticized the sheer size of the inquiry start at £200,000. of the procedure during which technical arguments go on between four QCs, five other barristers and six solicitors over the respective merits of taking the extra seven million gallons from Wast Water or an extra 12 million gallons a day from Ennerdale Water (which the North West Water Authorwants to do to supply both Windscale and West Cumbrian

industry). Many objectors are making the case that neither lake needs Ltd wants to take an extra to be touched and that ample seven milion gallons a day water can be obtained, although

scale nuclear fuel processing fast-flowing river Derwent near Workington.

With the exception of the Wast Water Campaign Com-mittee which, under the leadership of Mrs Cathy Naylor, a farmer's wife, has raised nearly £2,000 to pay for legal representation, few of the local objectors can afford to sit in

every day.
They find it difficult even to digest the 65,000-word daily transcripts which are being produced by the team of American girl shorthand writers employed by British Nuclear Mr William Rawling, of Hol-

lins Farm, near Ennerdale

Water, who is appearing as an

Individual objector and as chairman of his parish council, says that the event is no longer a genuine public inquiry but now a long, rechnical argument between professionals which is being conducted in public, After attending most of the first five weeks' sessions he has had to go back to work the farm which has been in his family's ownership for 350 years, taking with him a large suitcase full of documents which he hopes he may find time to

particularly complicated bebeen included in one inquire and it is possible that a third compromise scheme, called "Ennerdale II", may also be heard if Mr Michael Heseltine, the Secretary of State for the Environment, gives authority for that procedure next month.

To the casual visitor the procedure seems to be excruciatingly slow, with witnesses reading out typewritten proofs of evidence, occasionally prompted by their legal advisers, and then being cross-examined by half a dozen or more objectors. One witness for the North West Water Authority was in the box for four days.

No one has yet rentured to weigh the daily output of paper, but the Friends of the Earth have placed an outsize container at the back of the hall, marked "waste paper for recycling". It is usually full by midday. Mr Denis Komlosy, the in-

spector, is conducting the proceedings in a gentle and kindly manner. He never hurries or harasses anyone, least of all the individual objectors, who have been given full opportunity to cross-examine the expert' witread some day while awaiting nesses. His staff does its best to well attended.

when they might find it worth while to leave their farms, jobs and families to attend, to listen or to cross-examine. An official of the Department f the Environment said: "I think everyone is conscious that

this is becoming a very long and complicated affair. We are

receiving criticisms, but if short cuts were taken and procedures shortened. I am sure there would be even more complaints that justice was not being done". Perhaps the ultimate in a demonstration of British democracy at work may come on March 26, when a public meet-

ing will have to be held by law

during evening hours in the

Ennerdale and Kinniside prim-

ary school. The meeting is compulsory under Section 22 of the Commons Act, 1899, because "common land" near the shores of Ennerdale Water could be affected by one of the proposals and opportunity for discussion must be provided outside farmworkers' normal working hours on the land in question. The meeting is expected to be

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-- 427 PEDDIJADV.18 1989 --

Bigger jobs quota for the disabled and stricter enforcement urged by Low Pay Unit and RNIB

Social Services Correspondent Firm sepport for a strength-ened quota system for disabled workers, backed by rigorous enforcement, comes today from the Low Pay Unit and the Royal National Institute for the Blind.

Both bodies want the quota system extended to government departments as well as other employers, and both reject the idea that employers not meeting the quota should be forced to pay levies into a central fund.

Their comments are made to the Manpower Services Commission, which is at present reviewing the quota system requiring employers with more than 19 staff to employ 3 per cent registered disabled people. There are widespread fears among organizations for disabled people that the Government intends to abolish the quota system because of the high proportion of companies and public bodies not fulfilling the quota.

The Low Pay Unit points

The Low Pay Unit points out that between 1960 and 1978 the proportion of private employers meeting the quota fell from 61.8 to 36.8 per cent, but only 10 prosecutions have been brought since the system was introduced in 1944.

Government Government departments, which are not legally subject to the quota bur accept a moral duty to meet it, also fail to fulfil the quota, except in the comparatively small Stationery Office; as do most local authorities, area health authorities,

nationalized industries and utili-

ties.
"This is a disgraceful record," Mr Frank Field, Labour MP for Birkenhead, who is a former director of the Low Pay Unit, writes in its evidence to the commission. "It would be difficult to find

any other area of government responsibility where public bodies are so clearly and openly failing to fulfil their legal duties and in which the duties which government has placed on the public sector are being so bla-tantly flouted."

The cost of government in-action is that disabled workers carry more than their fair share of long-term unemploy-ment, Mr Field writes. The un-employment employment rate for the employment rate for the disabled is more than twice the national average, and 60 per cent of the registered unemployed disabled have been jobless for more than a year, compared with just under a quarter of all the unemployed.

The Low Pay Unit suggests that the Government should first put its house in order by mounting a campaign to ensure

mounting a campaign to ensure that each government department fulfils the 3 per cent quota within two years. It should then "go on the offensive" against private and sive " against private and public employers who fail to fulfil the quota, both by persuasion through grants and tax relief and by stronger enforcement policies.

The quota system should be changed to increase with the size of companies, but excluding the smallest employers, he suggests. Companies with fewer than 50 employees should not be subject to the quota, which would cut administrative costs significantly.

The Royal National Institute for the Blind, on the other hand, believes the quota should be retained for all employers with more than 19 workers, but with some changes to set realistic

Employers should be allowed to count disabled workers who are not registered but would qualify to be, but quota levels should be reviewed regionally and not allowed to fall below 3

Mr Eric Boulter, director-general of the institute, says in is evidence to the commission that the quota scheme has been one of the most important aspects of the supportive legisla-tion that has allowed the blind to take up a wider range of jobs since 1944.

.But more rigorous enforce ment is needed, including the introduction of anti-discrimina tion legislation for disabled people. All employers should be required to publish annually details of their level of quota

"These mandatory requirements should apply to all employers in the public sector, including central government departments", he says.



Crash cause identified: The derailment of a London to Manchester express at Bushey, Hertfordshire, on Saturday night was caused by the failure of a weld between two rails made on site last autumn. British Rail said last night.

"Similar welds in the immediate area

have been checked and there is no evidence to suggest this was other than an isolated occurrence', British Rail said.
"However, similar welds at other locations are being thoroughly checked." The reason so few people were injured

—only one was seriously hurt of the 170 passengers in the train—was because of the strength of the modern carriages "which remaind basically intact despite the seriousness of the derailment".

There will be an internal inquiry into the crash and there is likely to be a public inquiry by the Department of

Transport.
The 8.25 pm London to Manchester train City of Manchester, was passing through Bushey station at 9 pm when five of its 11 coaches left the track. The

locomotive rentained upright. The photograph shows one of the overturned graph shows one The coaches careered across the lines,

some hitring the overhead gantry carrying electric cables.

Fourteen other passengers were kept in bospital overnight. Only one, a woman, was hurt seriously, About 40 other passengers were treated ambulancemen Services are expected to be running

today, but there will be delays

British race team deal by Mr Mark Thatcher

Mr Mark Thatcher, the Primo plans to race cars in Japan and signed for a British team. he announced in a statement vesterday.

He said he had rejected a 525,000 sponsorship offer by Mr Paul Raymond, the impression and publisher of Men Only.

The statement said: "I can confirm I have now signed to drive for an all-British team based at Brands Hatch. I will not now be driving in Japan as previously planned."

Mr Thatcher, aged 26, did not say what has happened to his £10,000 sponsorship with Kanebo, a Japanese clothes

Under that deal he would have gone to Japan for three races to promote the company's products. He has already appeared in pictures modelling its synthetic leather coats.

The deal prompted criticism by MPs, employers and unions in the British textile industry.

Mr Thatcher, a management consultant, said he would honour the contract and threatened to leave Britain rather than give up racing.

Man injured by own car Mr Paul Snell, a sailor based at Faslane. Clyde, was knocked down by his car on Saturday night just after he had visited Steward Street police station, Glasgow, to report it stolen. He suffered a broken hip and an injured hand.

Iranians want visas to ease entry to Britain

coming to Britain because a But often rich Iranians want-number are being turned away in the settle in Britain slipped through, while students, or those seeking medical care, bona fide visitors.

The embassy estimates that 10 per cent of about 100 Iranians arriving each day at Heath-row airport are turned away. Most of the Iranians are visiting Britain for medical treat-ment, business or simply as

tourists, the embassy says.

"The immigration officials are not satisfied that they do not want to stay in Britain and are sending them straight back to Iran, usually on the very next plane", the Press Attaché at the embassy aid.

"They are not even allowed to go instead to France or Italy. It is a patient person who after seven hours' flying can put up with another seven hours."

ming we

The embassy was not seeking to prevent Iranians leaving their country, he said. It was simply a matter of human rights and ensuring that they seeking surry a day at one time. described as an unitiendly attitude.

A. Afrouz, the Chargé d'Affaires, has put the case to the Foreign Office in the past few days that a visa system would greatly benefit Iranians coming to Britain. They could obtain documents in Iran con-firming the reason for their visit, and entry at this end

"Of course, there are some francians who want to settle in Britain", the Press Attaché said. "But among them are rany people who need medical aid, are students or tourists, or the same are coming to do some even are coming to do some shopping and have acceptable

By Frances Gibb

The Iranian Embassy has had a difficult job and the asked the Government to introduce a visa system for Iranians to ensure a visitor's bona fides. coming to Britain because a But often rich Iranians wantwere turned away.

The Government is considering the request but no decision has been taken. In a recent parliamentary answer, Mr William Whitelaw, the Home Secretary, said that the Government was not intending to ment was not intending to introduce a visa system at that

introduce a visa system at that time but proposed to keep the possibility under close review. Home Office officials are doubtful, however, of the practicability of bringing in a visa system. "We have a visa abolition agreement with Iran, brought in some years ago, and to reintroduce the system in the to reintroduce the system in the present circumstances would involve a lot of work at a time when the embassy staff in Iran

There had been a massive exodus from Iran in the past year, with as many as 1,000 seeking entry a day at one time, and there had been some concern that not all of them could support themselves in Britain.

"Inevitably certain Iranians were refused entry, but this applies equally to other nationals who failed to meet the requirements."

Recent parliamentary answers show that last August, the peak month, 34,000 Iranians came to Britain, but that was considerably less than for the same period the year before, when 40,300 sought entry. The drop applies throughout the year.

In 1978, 237,000 Iranians came to Britain, of whom nearly 200,000 came through Heathrow, but the numbers for last year look like being down by 50,000 to 65,000.

Sealink officers stop 7 ships in

lightning action

By a Staff Reporter

Officers on British Sealink ships based at Harwich yesterday began what their spokesman called a series of "lightning disputes", which stopped seren out of nine ships.

The 180 officers, members of the Merchant Navy and Airline Officers Association, pur forward proposals last April aimed at bringing their ranking and promotion system into line with those of other Sealink ports. But despite numerous meetings, no reply had been received, the spokesman said.

The officers felt the situation was intolerable and were determined the spokesman said.

was intolerable and were deter-mined to recrify it. Attitudes had hardened since the recent National Maritime Board pay settlement, which gave ratings an additional 5 per cent over

officers. "lightning dispute" hospitals in the region by about a quarter and stop almost all evening and weekend donor possibly on a sporadic basis.

Blood service pay dispute halts surgery

From Our Correspondent

A dispute over pay between the Trent Regional Health Authority and employees in the blood transfusion service has halted all main surgery, except emergencies, in south Humber-side and Lincolnshire.

Mr Brian Noakes, health administrator in Grimsby, said that 200 patients due to be admitted to hospital this week will have their operations post-poned.

The employees are members of the Confederation of Health Service Employees and have decided to ban overtime in support of a five-year-old dispute involving the backdating of a

It is thought that their action will reduce blood supplies to hospitals in the region by about

"THEY WANT US TO OCK £500 LACKOF INSULATION."

A house that wastes money on unnecessary heat could soon become more of a liability than an asset.

How long will it be before the absence of insulation becomes a very undesirable feature?

How long before the phrase '...lack of sufficient insulation...'becomes a telling comment in surveyors' reports?

If you've decided against insulation because you plan to move out in a few years' time, that

phrase could appear in a surveyor's report on your house.

And if your future buyer has a choice of similar properties, your home's lack of insulation might be all the persuasion he needs to buy a place that is cheaper to heat.

Meanwhile, as fuel costs rise, you're missing out on the immediate benefits of insulation yourself.

You'll find all you need to know about the advantages of loft, tank and cavity wall insulation, double glazing, draught proofing and central heating controls in our free booklet 'Make the most of your heating'.

Why not post the coupon below for your copy?

We have to admit, we have no crystal ball. We can't guarantee that a fully insulated house will be easier to sell.

But with rising fuel prices, the money to be saved on heating costs should be enough to give you second thoughts about your lack of insulation.

And with a cosier home, a more economical home, who knows, you might even have second thoughts about moving.

Two counties plan to save archaeological sites

development destroys them has begun in earnest in Lancashire

and Cumbria. A conference at Lancaster University at the weekend was told that a Cumbria and Lancashire archaeological unit had been set up jointly by the university and the Department of the Environment to carry out excavations where sites were

Dr Roger Leech, director of the unit, said that their work would include a systematic mapping of aerial photographs that could help them in their work, That would be carried out by

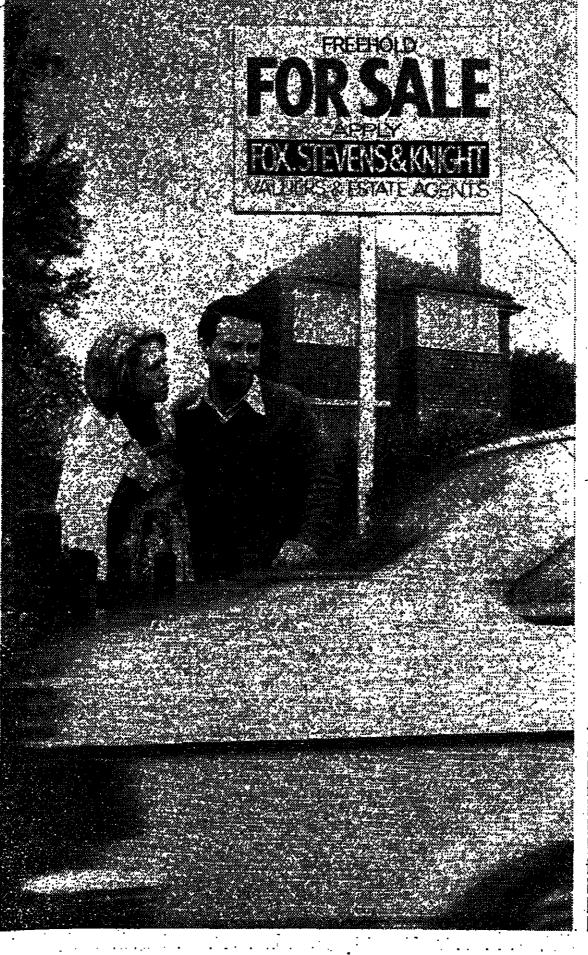
From Our Correspondent
Grasmere
Action to rescue archaeological sites for excavation before development destroys them has begun in earnest in Lancashire

Mr Graham Lee, using facilities at Lancaster University. In Cumbria they were particularly interested in rural sites such as those likely to be ploughed in Eden Valley.

They were concerned with building developments and with the line of a new gas pipeline in South Cumbria, where they hoped to do work

noped to do work

In Lancashire their objectives
were mainly building sites,
afforestation, and sites along
the A59 where it crossed the
mostands in south west Lan-



MAKE THE MOST OF ENERGY

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Inquiry on test bores in Fierce attack likely granite seen as 'thin end of nuclear wedge'

Ayr Objectors to the proposed test bores into the granite of Mullwharchar Hill, Strathclyde, will try to raise the broader issues of nuclear waste disposal when a public inquiry opens in Ayr tomorrow. The objectors regard the inquiry as a crucial test case, the thin end of a nuclear wedge.

The inquiry concerns an application by the Atomic

Energy Authority to make research bores into the hill to determine the properties of hard crystalline granite. The research is part of a wider study and is supported by the

Among the objectors are the the Atomic Menace (SCRAM), the Campaign Opposing Nuclear Dumping (COND), and Friends of the Earth. Both Kyle and Carrick District Council, which refused planning permission for the test bores, and Cumnock and Doon Valley, District Council will be Valley District Council, will be represented by a Queen's

Counsel.

What is called a "People's planning commission", organized by pressure groups, will be held in Ayr at the same time as the official inquiry.

This will go fully into the case against allowing the test bores because of the wider implications", an objector said. said.
Objectors are not optimistic that the terms of reference for the official inquiry will allow discussion beyond the specific issue of test boring, and the siting of several portable cara-

The issue dates back to November, 1976, when the Kyle and Carrick council had a letter from the Atomic Energy Authority at Harwell, outlining the proposals.

land owned by the Forestry Commission in an area of great natural beauty known as Carrick Forest. Planning applicawas made in January. by the Atomic Energy Authority to make test bores to ascertain the movement of water within the rock. They also sought to build a number of temporary huts. The council decided to refuse permission by 19 votes to five.

mainly because the association in the public mind of boreholes with the possibility of nuclear waste disposal was "detrimental to the social and physical well being of the area".

Mr. George Foulkes (Labour Mr. George Foulkes (Labour Mr. George Foulkes (Labour Gould Mr. George Foulk) MP for Ayrshire, South) said the inquiry would be one of the most crucial events in the present nuclear debate. It would also be a test of the democratic process, since most people in the area opposed the project. Although the Atomic Energy ning application, it has less interest in the issue now than

it had originally. It started off it had originally. It started off
as agent for the Department of
Energy, but when the research
programme passed to the Department of the Environment it
became the responsibility of the
National Environmental Research Council. The authority,
and official explained to longer an official explained, no longer had a direct interest. Its own research centred on

virrifying nuclear waste and putting it in lead-lined con-tainers. The official admitted that in 20 to 30 years the question of where to put the con-tainers would become a matter of urgency; whether that should be in grauite, clay, salt, or beneath the ocean floor was what the test bores could help

Bridging the gap, page 12

threat to rural life' By Our Planning Reporter

Visitors 'no

Local authorities should be doing far more to ensure public access to the countryside, an article in Rucksack, the journal of the Ramblers' Association, suggests.
The author, Marion Shoard,

a research fellow at the Centre for Environmental Studies, observes that the potential in securing access agreements over woodland, lakeside and riverhas been virtually

ignored. The definition of open country to which such access agreements can be made was extended in the Countryside Act, 1968, to include those three types of land, she points out. But the few agreements that exist have concerned in the National Parks Act, 1949, namely mountain, moor, heath, down, cliff and foreshore.

Outside the national parks, local authorities have based their plans on trying to protect the countryside and rural interests from townspeople. But the view prevalent in county halls that visitors from the towns pose a serious threat to landscape, wildlife and farming

has no basis in reality.

The main reason why access is denied to lovely stretches of countryside is that they are used for pheasant shooting. There is no evidence that disturbance by walkers, pic-nickers of children playing would damage a pheasant shoot, she claims.

Authorities need to be made aware of how much can be done to enhance cirizens' lives at insignificant cost to public expenditure. If the people of Britain are

to be able to take advantage of the cheap pleasures the cauntryside can offer, access agreements must be accompanied by the provision of new Sunday bus services, and by the conservation of marginal

Ministry ban on bomb manoeuvre

The Ministry of Defence has banned a particular bombing manoeuvre at the Rosehearty range, near Fraserburgh, Gram pian, after a practice bomb was dropped on a farm nearby.

In a letter to Mr Albert McQuarrie, Conservative MP for Aberdeenshire, East, Parliamentary Under-Secretary of State for Defence, Mr Geoffrey Pattie said: "The incident is of con-siderable concern to me.

"As a result of the investiga-tion, the Ministry of Defence have issued instructions that 'toss-bombing' manoeuvres are to cease at Rosehearty unless and until additional safeguards can be introduced to preclude the possibility of any bomb ever

again falling outside the range safety area." "Toss-bombing" is a technique in which an aircraft runs in at low level and suddenly in at low level an climbs, releasing a bomb. The aircraft's impetus "tosses" the bomb on the target and the air-

craft is heading away as it

Mr Pattie said that the bomb dropped in the field, released from a US Air Force F1-11, was basically inert, with only a small pyrotechnic charge to create a flash and smoke.

explodes.

Inquiry sought on soldier's death Mr Michael Morris, Conser-

vative MP for Northampton, South, is to ask Mr Barney Heyhoe, Under Secretary of State for Defence, today for a formal report on the death of Private James Darkin, aged 18, He was found dead at the

Royal Pioneer Corps Training Centre. Northampton, after complaining to his parents and officers that he was being bullied by other soldiers.

Complaint about 'false and offensive' cartoon upheld A Daily Mail cartoon could Mr Iain Mackie, the assistant

he interpreted as falsely and offensively suggesting that the Anti-Nazi League killed eight policemen, the Press Council In an adjudication published

today the council upholds a complaint by the National Union of Teachers branch at Beaufoy School, Lollard Street, London, SE11, that the Daily Mail published a tasteless and offensive carroon which was a gross distortion of the Southall demonstration in that it suggested Anti-Nazi League demon-sertors were killers of police-

On the day it gave eye-witness accounts of the demonstration at Southall at which the teacher, Blair Peach, died, the Daily Mail carried a Mac cartoon on its dairy page showing Anti-Nazi League members in a car decorated along its side with eight sithouette heads of helmeted policemen. There was no caption. Mr Blaine Stothard, the NUT

representative at Beaufoy School, complained to the Press Council on behalf of 27 members that the representations were in the style of "kills" on warplanes, suggesting the car's occupants had killed or maimed eight policemen. The cartoon grossly misrepresented the truth of the Southall demon-

Mr Stothard complained to the editor saying the Southall death was not suffered by the police but inflicted by them.
The cartoon was in poor taste and oftensive.

Mr lain Mackie, the assistant managing editor, told Mr Stothard that the Daily Mail did not suggest that the ANL had killed policemen. The cartoon commented on the ANL part in a demonstration resulting in policemen being injured and thus my out of action thus put out of action.

Mr Stothard told the Press
Council that the Daily Mail pub-

lished the cartoon to distract attention from one of the prin-cipal issues, that an ANL mem-Mr Mackie provided cuttings

of the newspaper's coverage which he said showed how the ANL helped to organize the demonstration. On the day the cartoon appeared the newspaper devoted 250 column inches to the disturbances, about a quarter of which was specifically concerned with the death of Mr Peach. Scotland Yard had told him

that 97 policemen were injured. He said the broad issue of street attacks on the forces of law and order was a proper subject of comment for a cartoon. Mr Stothard said Mr Mackie put a higher value on published

Scotland Yard accounts while rejecting eye-witness accounts.

Mr Mackie said Mr Stothard sought to equate unofficial with official information, a proposi-tion which was fallacious. The Press Council's adjudication was:

tion was:
This cartoon was open to the interpretation that it suggested that the Anti-Nazi League had killed eight policemen. Such a suggestion would be false and highly offensive.
The complaint against the Daily Mail is therefore upheld.

WEST EUROPE.

on EEC price package for farmers

Brussels, Feb 17.

The European Commission proposals for curbing agricultural expenditure will come under fierce attack tomorrow from EEC ministers of agriculture, and Mr Peter Walker for Britain, will be as critical as any of his colleagues, if for somewhat different reasons.

Reinforced by a firmly worded letter sent over the weekend to the Commission by Weekend to the Commission by Lord Carrington, the Foreign Secretary, Mr Watker will also renew demands for an interim injunction from the European Court of Justice ordering the French to end their prohibitive leavies on imports of British levies on imports of British

It is within the power of Mr Finn Olav Gundelach, the EEC Commissioner for Agriculture, to seek an injunction. He has been trying for months to find some legal way of protecting French sheep farmers acceptable to both France and Britain. But it seems he now

for public

eye in Paris

the French Government and civil service is deep roored. It has survived all the different

regimes this country has known

After the scandals last year

of Emperor Bokassa's gifts of diamonds to French personalities, and of the suicide of M Robert Boulin, the Minister of Labour, the news magazine Le

Point decided to conduct an investigation into the incomes and assets of French politicians. A detailed questionnaire was

sent our to a representative cross-section of 89 persons cal-ling for particulars of their

1978 incomes and present capi-

tal. Only 14 replies were

The investigation provoked controversy and indignation among some of those con-cerned. In this week's issue the

magazine points out the diffi-culties it experienced in col-

ecting information which is

commonplace in many coun-

A minister entertained at

"national degrada-

luncheon by Le Point accused

it of embarking on an enter-

tion", and described the ques-tionnaire as "ignominious".

The publishers of the magazine had not been optimistic

magazine says, is simple: the Prime Minister forbade any of

M Georges Marchais, the

Communist leader, saw what political capital could be made

out of the questionnaire and made a public confession of possessing "no gold or precious

stones, no yacht, no private air-

No questionnaire was sent to

President Giscard d'Estaing. Le Point explains that before sounding out the President, it

approached a senior member of his staff who replied that he

would certainly not reply. But, the magazine notes, the essen-

tial facts had all been published

by the satirical weekly. Le Canard Enchaine. in June 1978, when it reproduced his tax return, showing: salary and allowances of Frs 342,098 (£36.500); dividends of Frs

180,565 (£19,300); income from property of Frs 181,962 (£19,500); and income from property of Frs 303,806

If the Government ignored the questionnaire, the remaining 47

politicians approached were bardly more enthusiastic. Only

Giscardian, and one left wing

Communists out of six

property (£32,400).

craft, no collector's items".

them to do so.

tries but still taboo in France".

since 1789.

received.

Fortunes not Carnival day on Rome's underground From Our Own Correspondent Rome, Feb 17

the marketing year on April 1

they would keep agricultural spending in 1980 very slightly below what was spent last year.

Each additional percentage point on the price rise would increase the bill by up to £90m.

EEC farmers have demanded

a price rise of nearly 8 per cent. M Pierre Mehaignerie,

the French minister, has already said that he would consider a

7 per cent price rise as reason-

able.
Mr Walker will argue that

he sees no case for any price increase at all for products in surplus such as milk, sugar, beef, cereals or wine.

Some 512,000 people yester-day tried the new experience for Romans of travelling on the city's new underground, the first line of which, running from north to south, was offi-cially opened to the public. The atmosphere of a carnival Saturday added to the festive

val of the trains was regularly cheered. Many people took advantage of the liberal arrangement by which every ticket costs the same for any destination by

going to and fro between two of Rome's historic centres, the film studios et Cinecittà and the Via Ottaviano stop close

One man accidentally fell on the rails but was saved by the safety devices. Several automatic ticket machines gave way under the strain and required repair. Escalators were inclined to jerk to a stop. An elderly man had his wal-let stolen, thus entering history

as the first passenger on the Rome underground to have his pocket picked. The real test will come to-morrow when the underground

will have to deal with a nor-mal working day.

Detente must be about the success of their operation. Even so, they were surprised not to receive a saved, says

200,000 communists from all parts of Italy today heard Signor Enrico Berlinguer, the Italian Communist Party leader, repeat bis criticism of the United States and the Soviet

At a rally organized by the Communist Party as part of a campaign to urge Europeans to defend detente Signor Berlinguer said the Soviet military intervention in Afghanistan was déteute.

But he also attacked the United States for its support of military regimes in Latin America and other parts of the world and its proposal to boy-cott the Olympic Games in Moscow which he called shameful.—Reuter.

Blast shatters Swedish plant Karlskoga, Sweden, Feb 17.— Windows were stattered in a

two-mile radius early today when an explosion ripped through a nitroglycerine factory here. Tanks holding several rons of

replied; but the magazine heard acid were stored at the factory, from eight Socialists out of 10 owned by the Nobel company, and from two Gaullists, one but although the damage was extensive no one was injured.—
Agence France-Presse.

regarded as possible partners in

situation has changed, of course, and Signor Zaccagnini

of the attack on him from the

party's conservatives. Senator Bartolomei, speaking for the right wing, reaffirmed today that the Christian Democrats

should not take the lead in pro-

moting the idea that Commu-

nist participation in Govern-

not that, however, It is directed

more at assessing how far the problem of a third of the

would solve Italy's

Signor Zaccagnini's outlook is

Since 1976, the international

found this in the virulence

Italian Christian Democrats are united in indecision ascertain by negotiation how far the Communists could be From Peter Nichols

Rome, Feb 17 In a dispiriting performance,

the ruling Christian Democrats reached the only decision so far after three days of their national congress when they resolved to postpone until tomorrow a debate on how the party should elect its secretary. To talk of bleak prospects is an understatement. A delegate this afternoon complained bitterly that of the 1,300 or so delegates, only 20 had come to hear him, while the hall filled when the famous were scheduled to speak.

That famous names have so far been shy in actually coming forward is due to disagreement on whether the party's secretary should continue to be elected by congress or should by chosen within the national council. The two issues facing the

congress are this one and the policy to be announced at the conclusion of the gathering, which now looks more like Wednesday than Tuesday. So far, the one substantial contribution to the discussions has been the report of Signor Benigno Zaccagnini, the outgoing secretary.
His report follows in outlook the views he put forward at the 1976 congress on the arrempts he felt should be made to

national vote going to a Com-munist party could be solved by coaxing the Communists more fully into the democratic arena. Dr Helmut Kohl, chairman of the West German Christian Democrats, bluntly told the congress yesterday that there could be no talk of sharing

problems.

power with a party professing the ideology of the invaders of Afghanistan. The Communists position is that they remain in opposition unless they are ffered ministries. Nobody at this fourteenth annual congress is offering the Communists a place inside the Final polls

OVERSEAS put Liberals ahead in Canada

From Patrick Brogan Montreal, Feb 17 The Canadian Liberal Party

Mr Gundelach's price pack age for 1980-81 envisages an average rise of 2.4 per cent in the minimum support prices is the clear ravourite to win tomorrow's general election.
The last Gallup poll, published
yesterday gives the Liberals 48
per cent, the Conservatives 28 guaranteed to the EEC's eight million farmers coupled with per cent and the New Demo-cratic Party 23 per cent. Such a result would give Mr Pierre related measures to curb over-production of milk sugar and Trudeau, the former Prime Min-The commission calculates that if its proposals were adop-ted by the scheduled start of ister, a clear majority in Par-

Another poll broadcast by television company yesterday, however, gave the Liberals a lead of 10 per cent only, which might not be enough to win them a majority.

The election was called after

the Conservative Government of Mr Joe Clark was defeated over its budget in December. The last elections were in May, 1979 when the Conservatives became the largest party in Parliament. with 135 seats out of 282, and Mr Clark formed a minority Government replacing Mr Trudeau who had been Prime Minister for 11 years.
The result of the election will be decided in Ontario. A salient feature of Canadian politics is

the continued difference in party support between the various regions. The Liberals have a stranglehold in Quebec with 67 seats out of 75 but won only six out of 80 seats in the practices and the west.

Conservative support is more evenly savered apart from the

Conservative support is more evenly spread apart from the glaring deficiency in Quebec, where they won two seats only in 1979. It is possible that they will lose one of those tomorrow and that the Liberals will consign the Social Credit Party there to oblivion.

The two-month campaign has consisted of a spirited attempt by Mr Clark and his followers to recover from the loss of support that had occurred during their seven months in office. Conversely, Mr Trudeau and the Liberals were concerned to keep the commanding lead they enjoyed when the

campaign opened. It seems that they have succeeded.

Mr Clark's parliamentary colleagues may demand a sacritobleagues may ternamic a sarri-fice if the party is badly beaten and he may lose the leadership, but today his popularity in the party at large seems greater than ever before.

As for Mr Trudeau, he had

November, and the party was to choose a new leader this spring. Then came the defeat of the Government. Mr

Trudeau was easily persuaded to retain the leadership There has been surprisingly little discussion during the camtions between Quebec and the rest of the country, but on bal-ance it is probable that federal-ists in Quebec would be strengthened by Mr Trudeau's

victory.
Mr Trudeau's popularity has recovered considerably from last May when the Liberals campaign, but neither leader can be said to have a real national popularity. The most popular party leader, unquestionably, is Mr Ed Broadbent of the New Democratic Party which hopes to win at least the 31 seats it held in the Parlia-ment of 1972.

US approves experts' Mrs Gandhi to dissolve nine state governments

From David Cross Washington, Feb 17 The United Nations announced today that Dr Kurt Waldheim, its Secretary General, had completed the selection of members for an international commission of inquiry to investi-gate Iranian complaints against

A United Nations spokesman said that the United States had already approved the names of those chosen to sit on the commission but that a reply was still awaited from the Iranian authorities. Details would be announced when Tehran gave its go-ahead, probably within the next 24 hours or so. The establishment of the commission is the first step towards resolving the 15-week-long seizure of the American

seizure of the American Embassy in Tehran. The com-Mr Qotbzadeh met M Jean mission is expected to consist of five senior jurists and diplomats who would travel to Tehran to conduct their inquiries. The investigation would probably take about two weeks to comtiqued detention of the hos-tages, he was told, was an intolerable violation of the fundamental rules of inter-national law.

Mr Qotbzaden told M Frances of Interthe 50 American hostages in the embassy would be free to return to the United States before then. cois-Poncet of Iran's intention of wishdrawing from the Euro-pean project for the production the Iranian authorities now

acknowledge that the setting up of the commission is a prerequi-site for the release of the hostages. Mr Carter, who originally wanted the setting up of and wanted the setting up of the inquiry to coincide with the release of the hostages, said. last week that "an appropriate commission with a carefully de-fined purpose would be a step resolution of The President has, however,

again declined to accept another apparent Iranian condition for the release of the hostages, namely an acknowledgment that past American support for

interview with newspaper editors, details of which were published here yesterday, Mr. Carter said he recognized " misunderstandings" with Iran but he offered no apologies for past American actions in its relationship with the Shah. French visit: Mr Sadeq Qorbza-

the regime of the deposed Shah. deh, the Iranian Foreign Minister, on a four-day official visit to France, said that the fare of the hostages was in the hands of the American Government, which must first own up to its "crimes" under the Shah's regime. The setting up of an international commission of inquiry was only a first step towards the liberation of the American diplomats, he said (Charles Hargrove writes from

> François-Poncet, the French Foreign Minister, yesterday for nearly two hours. He was left in do doubt as to the French position on the issue. The con-

of enrithed uranium. This comes as no surprise after the revolutionary government's de-cision early last year to balt the country's nuclear programme. In statements to the press, Mr Qotbzadeh said that the task of the commission would be to listen to the grievances of the Iranian people on the basis of documents provided by the Government, and the evidence of victims of the Shah's

governments

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alaly!

The second secon

Mrs Indira Gandhi the Indian Prime Minister in a move to extend her power roday decided to dissolve the state legislative assemblies in nine states, where the present governments do not belong to her Congress Party. Among the nine ere important states like Uttar Pradesh. Punjab and Bihar, in the north, Gujarat and Mahareshtra in the centre and Tamil Nadu in the south. State elections will

now have to be held. The decision was taken after an emergency Cabiner meeting here cought. Mrs Gandhi and her Home Minister had for days been speaking of deteriorating law and order in Uttar Pradesh, perticularly after casts violence to Harijans (untouchables) and other economically poor groups.

Mrs Gandhi, who won a
massive 350 seats at last morth's general election, was following the precedent set by the Japata government after its March 1977 election victory when it too dissolved nine state administrations then "out of line" with the national vertice.

Hard luck with concubine's seal

Peking. Feb 17.-An escaped prisoner was recaptured in Peking's Forbidden City, now known as the Palace Museum. known as the Palace Museum, while trying to steal a gold seal that once belonged to an emperor's concubine, the Peking Evening News said today.

The 14lb seal was given by the Emperor Guang Xu of the Ching dynasty to his favourite consulting later in the letters. concubine late in the last cen-tury. The thief removed it but regime. It would also have to tury. The thief removed it but bring to light all foreign interward caught after a rooftops vention in Iran at that time.



Bishop Muzorewa takes election campaign to Mugabe stronghold From Nicholas Ashford

Buchwa, Rhodesia, Feb 17

The twin-engined Beechcraft that brought Bishop Abel Muzorewa to this remote part of the Belingwe tribal trust land had the words "Free Enterprise" painted on its nose. It was an appropriate mes-sage, as the leader of the

United African National Council (UANC) is not only regarded as the chief defender among the main black political leaders of the country's capitalist system but his lavish election campaign has been made possible by cour tesy of free enterprise interests in Rhodesia, South Africa and elsewhere.
In addition to the aircraft

Bishop Muzorewa has had the exclusive use of two helicop-ters (one of which had an accident two days ago), countless limousines and a permanent suite in Salisbury's leading international botel for use as a party office. Wherever he goes his suporters distribute UANC hats, sun vizors and shirts as well as cool drinks and sometimes food as well.
This was Bishop Muzorewa's

first visit to Belingwe, a sprawling African reserve 230 miles south of Salisbury, and there was an impressive reception committee to greet him. It in-cluded Mr Nryn Evans, the cluded Mr Nryn Evans, the ters maintained that such tight manager of the local iron ore security arrangements were mine, which employs most of necessary because the Bishop's

Buchwa, a Special Branch had a point. Belingwe was so policeman, a pistol strapped to his hip, Mr Chris Hanson-Smith, the British election supervisor for Belingwe, and a lorryload of heavily award to people out of a populatoryload of heavily award to people out of a populatoryload of heavily award to people out of a populatoryload of heavily award to people out of a populatoryload of heavily award to people out of a populatoryload of heavily award to people out of a populatoryload of the people out of lorry-load of heavily armed olice. There were a number of Bishop Muzorewa was ac-ambushes and landmines on the police.

took up defensive positions around the aircraft. They included two armed white police-men in civilian clothes and two Africans, both of whom carried sub-machine-guns. After he stepped out of the aircraft the UANC leader climbed straight into the back of an armoured vehicle which

took him in a convoy the two miles from the airstrip to the village where a crowd of about 300 had guthered to hear him speak. Another armoured vehicle carrying police armed with rifles and a Bren gun brought up the rear of the con-

When the bishop arrived at the meeting the police took up positions in the immediate vicinity while his two black bodyguards maintained their armed vigil around the makeshift rostrum where Bishop Muzorewa stood. Bishop Muzorewa's suppor-

8,000 people out of a popula-tion of 170,000 dared to vote. companied by his own body-guards, who alighted first and to Shabani, about 30 miles away. Last year the entire work-

force from Buchwa mine were intimidated away by Zanla and returned to their homes in the surrounding area. Few have dared to return. They have been replaced by workers from other parts of the country, who spend most of the time living behind the mine's twin barbed wire fences, protected by a force of 280 armed guards. However, the situation in Belingue has changed markedly since the ceasefire. According to Mr Hanson-Smith there have been virtually no corious incidents since the serious incidents since the

beginning of January, although there have been the odd scraps between rival party supporters as well as a fair amount of intimidation, most of it psychological. The Bishop's speech was more or less the same as the one he had given across the

Continued from page 1 disrupted on roads held by insurgent forces. Meat and rice in the city have risen by 80 per cent and eggs 100 per cent. Indeed, you only have to take the bus from Kabul—a 450mile journey across snow and deserts—to realize how seriousley the Government's power

has diminished Yesterday, for instance, the coach from Kabul passed the wrecks of countless vehicles beside the road. Some 40 miles west of Ghazzni, a small convoy of civilian buses and lorries had been ambushed. All the vehicles were burning fiercely. Soviet troops passed the bus in convoy, each vehicle carrying a soldier in the back
In one village, three Afghan
soldiers, including an officer,

Bus passengers

troops in village

hiss Soviet

boarded the bus and tried to arrest a postman who had de-serted from the Army. There was a fist-fight until two uniformed conscripts who were smoking hashish at the back of the bus, walked down the aisle and literally kicked the officer out of the vehicle. So much for the morale of the Afghan Army. In another village, the passengers bissed Soviet Tadjik troops who were standing be-hind the barbed wire of a milione he had given across the country during his energetic election campaign although interspersed with tit bits of uphates.)

(The Soviet troops, for some reason, had removed the red badges from their Cossack-style hats.)

Scientists criticized over failure to discuss dissidents health. The eight-man British ted by his reaction to our represstand. Human rights is a quite By Nicholas Bethell

Britain's leading scientists assemble in Hamburg today under the leadership of Lord Todd, President of the Royal Society, amid criticism of their unwillingness to use this international forum to raise the question of imprisoned or restricted Soviet scientists. It is the first such inter-

national forum to be held under the aegis of Basket II of the Helsinki agreement, dealing with scentific and economic matters. Each signatory country is sending its leading scientists for a two-week discussion on alternative energy sources, food production, cardiovascular, tumor and virus diseases, as well as the effect of the changing environment on human

delegation includes five memsentations." bers of the Royal Society. At what was described as

a somewhat acrimomous meeting "two weeks ago Lord Todd Foreign Office adviser on It only takes one speech and the told Mr Timothy Sainsbury, aspects of the Helsinki agree whole atmosphere can be Conservative MP for Hove, and ment, have complained about poisoned." Professor John Charap, Protes-sor of Theoretical Physics at to intervene on behalf of indi-Queen Mary College, London, that the Hamburg forum was Sir Leuan Maddock, a leading "We have collected a large Professor John Charap, Profesnot an appropriate place to raise individual cases of persecuted colleagues.

unwilling to accept the material we had ready for him about Dr pression that, in his opinion, the Royal Society was above the battle. We were very disappoin-

ment, have complained about poisoned."
being besieged "with requests Professor

Professor Charap says: "His manner was brusque and he was are going to talk science and unwilling to accept the material keep to science. We are neither we had ready for him about Dr competent nor suitable people Orlov and other imprisoned to get into all the other things, scientists. He gave us the im-The rights and wrongs of these individual cases are much too complicated for me to under-

Other members of the British that concerns us. We shouldn't team, who will sir as a national taint the scientific basket with delegation in Hamburg with a the problems of the other onc.

expert in atomic weapons devel-opment and deputy leader of the delegation, said yesterday: port of Sakharov, Orlov and others", he says. "It is very said that Lord Todd and his team have decided not to support us. I am told, however, that the American and French delegates are going to raise the matter openly and I am sure that this will have an effect."

هكذامن الأحل

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Bonn pledge

of military

in Aegean

equilibrium

Athens, Feb 17 Herr Hans Matthöfer, the

West German Finance Minister,

reassured the Greek leaders

today that while Bonn was keen

to see that Turkey should get massive aid to restabilize its

faltering economy, it was just as interested in the preservation

of the balance of power in the

Aegean. Herr Marthöfer who is co-

ordinator of the massive economic aid pledged by the

West to Turkey, spent today in Athens on his way to Turkey. He

called on Mr Constantine

Karamanlis, the Prime Minister,

and had extensive talks with Mr George Rallis, the Foreign Minister an dother Greek mini-

West Germany has been pro-

viding military aid to Greece and Turkey in recent years.

economic problems prompted an international crusade to help

Herr Matthöfer is, in fact, the Organization of Economic and Cultural Development coordin-

ator of the aid programme which is expected to give Turkey this year a total of almost \$5,000m (£2,200m) in the

form of grants, loans and rescheduled debis.

Greek leaders, both in the Government and the Opposi-tion, recently declared that

they have no objection to the giving of aid to Turkey to set

its economy back on its feet. In fact, they told Herr Matthöfer

However,

with massive aid.

'Torture' by Israelis led to man's paralysis

vennew

· 1988年

Tel Aviv, Feb 17.—A resident of Nablus on the West Bank is said to have become a mental wreck as a result of torture in an Israeli prison.

Mr Bassam al-Shaka, the Mayor of Nablus, said that Mr Nadar Ya'Afouri, aged 23, had been released from two years' detention in a most serious condition. "He is paralysed and is incapable of performing any action on his own. He does not react to anything.

"His condition is the result

of torture undergone while in Ramle prison", he said.

Mr Shaka said Mr Ya'Afouri had been detained without any charges being made against him, and without trial.

"The military authorities refused to say why he had been arrested despite all our appeals", he said.

"I appealed to the Ministry of Defaue and Army officers.

of Defence and Army officers to release him a year ago, when it was still possible to save him.
But I got no reply."

But I got no reply."

The Haaretz newspaper said that the case of Mr Ya'Afouri was among the subjects discussed by the mayor in a conversation with Major-General Danny Mart, military coordinator for the occupied West Bank as a result of which the defence establishment had planned to establishment had planned to expel Mr Shaka.

expel Mr Shaka.

The decision was reversed after a public outcry and an appeal to the Supreme Court. General Matt had been quoted as saying that Mr Shaka had justified an Arab terrorist attack on a bus which had resulted in the death of some 60 passengers.

The Army declined to com-ment on the reports of Mr condition. but General Matt said a statement would be issued later.—Reuter.

Six-day artillery battle Hindus take flattens Lebanon village and up to 60 die

Kfour al-Aarbi, Lebanon, Feb fought them off, a local 17.—About 60 inhabitants of a Phalangist militia commander north Lebanese village were killed in a six-day artillery barrage which pulverized their rotting on the banks of a river homes, residents said today. which runs near Quat.

Refugees from the right-wing The Phalangists took correspondents up to the battle zone Phalangist-controlled village of Quat said corpses lay trapped under flattened houses and in under cover of darkness last night. But a planned inspection open ground. "The village is totally destroyed. Stinking bodies are everywhere," one resident said after bringing his pregnant wife and seven children out of Quat in driving of Quat was cancelled because militiamen said the situation there was too dangerous.

The only statement on the fighting so far by the all-

Syrian Arab Deterrent Force (ADF) was issued two days ago. It said the Syrians had cut snow early this morning. There was no independent off Quat and were combing the village in search of militiamen who had ambushed an ADF patrol on Wednesday, killing confirmation of the casualtiy figures suffered in artillery battles this week between Phalangist militiamen and Syrian forces backing right-wing patrol on Wednesday, killing one soldier
Mr Sulim al-Hoss, the Prime Minister, today appealed for a ceasefire after meeting ADF officers and security officials.

Last night, President Elias Sarkis announced an initiative intended to achieve meeting. supporters of the former President, Mr Suleiman Franjieh. The Syrians renewed heavy shelling of Quat and surrounding villages this morning and correspondents saw Phalangist reinforcements being brought up to the battle zone.

sarks announced an initiative intended to achieve national entente in Lebanon, which has been split by civil war and violence for five years.

Inquiry reopened: A Rome prosecutor decided today to reopen an inquiry into the disappearance of the leader of fled from the bathles involving feuding right-wing militias and wide areas are without food and appearance of the leader of banese Shia Muslims, Imam Musa Sadr, on a journey from Tripoli to Rome 17 months ago. Italian justice sources said the Libyan Embassy in Rome had provided fresh evidence.

They said the Libyan authorities believed that the Sbah's Klour al-Aarbi afner six days in positions round Quat, three miles away, also estimated that about 60 villagers had died in the shelling which started on Tuesday. They put their own losses at four compared with dozens on the Syrian side, though Phalangist headquarters in Beirut said 10 militiamen were killed and 15 wayunded

secret service, Savuk, may have abducted the Imam after his arrival in Italy. They said the Imam was a close friend of Ayatollah Khomeini, who was then in exile in Paris, and supported the Ayatolish's struggle to overthrow the Shah.

Leading article, page 13

religious view of Sun eclipse

From Richard Wigg Kurukshetra, Feb 17

Scientists from India and the United States were carrying out their observations as the Moon's shadow swept across southern India during yesterday's toral eclipse of the Sun and the wellto-do citizens of Delhi, superstitious for all their western veneer, carefully shut them-selves indoors. They found it safer to watch the eclipse on television.

But the happiest people were the Hindu pilgrims who flocked to the ancient mass bathing tanks at Kurukshetra for a ritual dip. It did not matter to them that the eclipse here was only partial.

To orthodox Hindus a solar eclipse is both an awesome occasion and a unique oppor-tunity. There could, they be-lieve, be some terrible natural calamity, but if they say their prayers, give alms to the poor, and then take a dip on the very site where Lord Krishna preached the Sermon of the Gita, everything will be more beneficial for personal salva-tion than any one of these things performed on less auspi-cious occasions. The Harayana State Govern-

ment boasts it spent more than £250,000 to get everything ready for the pilgrims.

The scene is the broad north Indian flat countryside, agricul-tural land is in the distance, but the vast site is dominated by a profusion of temples.

The total eclipse of the Sun as viewed on Saturday from the Kenyan town of Voi. Everything faces on to a sub- be wheeled on small wooden trolleys, a palsied or shrivelled limb high in the air, or figures lying immobile, their distorted bodies hideously painted in bright colours so as to shock merged tank and bathing ghats.
a sheer of water almost three quarters of a mile long. Led by one of the sbankara-charyas, the topmost Hindu "holy" men, the faithful, after the almsgivers without the need of any appealing words. There are astrologers and fakirs lying jamming the remples, have to make their way from a smaller ancient tank to the modernized on beds of thorns. Untouchables are not welcome

main one. The two dips assure the benefits of the waters from the entire sacred region. on such religious occasions and some of the better off castes, The pilgrims pass a hugerow of emaciated beggars, cripples, and naked saddhus. There like the lat peasant farmers even set up their own enclaves, parking their tractors carefully inside them. are the blind, those on crutches brandishing filthy bandages, those so deformed they have to

Throughout the afternoon religious songs, accompanied by

drums and rhythmic clapping

blare out from loudspeakers,
Africa watch: Millions of
people throughout watched the eclipse, which was
total in an area 90 miles wide, stretching from the Atlantic, across Zaire, Tanzania and Kenya to the Indian Ocean. The period of total eclipse lasted about four minutes. Clouds in China: When the eclipse was seen in China, the sun was already beginning to set. The total eclipse lasted only one minute and 35 seconds. In

parts of China clouds obscured visibility.-UP.

Dr Badawi says that, for from

introducing politics into what should be an apolitical centre

of religion and learning, he has sought to take a middle course between the extremes of left

and right in the Muslim com-munity in Britain and that his

objective has been to blend the

Mushim community as far as possible into the British scene.

The director's critics are con-

today that the yare firmly con-vinced that an economically healthy Turkey is a safer neighbour for Greece. What the Greeks would two degrees from Al Azhar University, Cairo as well as a doctorate in Islamic Thought seriously resent, however, would be Western military aid from London. His critics say that errors in

to Turkey on a scale that would force the Greeks to spend vast sums of their own money to match Turkey's military pro-curements and maintain the the Islamic Quarterly, published by the centre, have betrayed ignorance of the Koran. eouilibrium. They also say he has intro-Herr Matthöfer is expected duced politics into the running of the centre.

to convey to the Turkish leaders Bonn's keen interest to see Greece return to the mili-tary win gof Nata, especially at a time when the probability of developments in the Balkans add urgency to the need to bolster Nato defences in the Turkey has been blocking

Greek reintegration because Athens has insisted on regaining the responsibility for Nato air defence in the Aegean that had been theirs before they left the alliance.

Prisoners of

conscience

Hebron settlement ruling delayed

were killed and 15 wounded.

"The Syrians lost 14 men in one day alone when they tried to storm Quet on Wednesday. They thought the massive bom-

bardment would make it easy to

take the place over, but we

Thousands of villagers have

Power supplies.
Phalangist fighters resting in

Kfour al-Aarbi after six days in

The Cabinet in Jerusalem today put off a decision on allowing restless extreme nationalists to move into houses in the heart of Hebron which they claim be-longed to Jewish victims of an Arab progrom 50 years ago.

The Government postponed its decision for a week after hearing reports of anrgry international reaction to its resolu-tion of last week reaffirming that Jews must not be prevented from living in the Arab town of Hebron. The city, which played an important part in bib-lical and Muslim history, be-came all-Arab after the 1929

Militants from Kiryat Arba, a Jewish settlement of Hebron, were talking tonight of moving into the ruined buildings without permission, to force the Government's hand.

They mentioned the precedent of 70 women and children of Kiryat Arbal who in April pital in the heart of Hebron in defiance of the Government but eventually received Government protection and support.

Details of the Cabinet dis-

cussion were secret as the meeting was proclaimed as a session of the Ministerial

proceedings it is unlawful to report. Mr Ephraim Evron, the Ambassador to Washington, who was recalled today for consultation, was said to have given the ministers a first-hand assessment of the improved of assessment of the impact of the Hebron decision on relations with the United States.

mr Menachem Begin, the Prime Minister, read a letter from Mr Vance, the United States Secretary of State. A participant in the meeting said the letter asked the Israeli Covernment to refer to the covernment to the cover Government to refrain from implementing last week's resolution on Jewish rights to live in Hebron. Mr Begin told his colleagues he would send Mr Vance the text of the resolution which expressed a principle

spoken privately against put-ting it into practice.

Meanwhile legal obstacles to week that three of the five buildings claimed by the Jewish militants were occupied by tenants whose leases from the

that he was the great-grandson and an heir of the owner of another building and served notice that he would press charges of trespassing if the Jewish militants move in. The heirs of the fifth property have not been traced.

Arab opposition was expresses in Hebron itself today by 100 women who occupied city hall for several hours.

In Gaza, Mr Rashad Shawa, the mayor, said that moves to settle Jews in Hebron and establish normal relations with Egypt without considering Palestine interests had provoked the terrorists who yesterday killed three people and injured 11 in the city's main square. but was not an operative The three died when a grendecision. The vote on the principle an army lorry. Ninety minutes
las week was unanimous, but later another grenade hurled
nearly half the ministers have over the wall of the American

Baptist hospital, injuring six people Security sources said that trail Hebron have surfaced. The tranquid for several years, is Artorney-General ruled last expected to become a more active area. Since President proposed that Gaza should get autonomy before the West Bank the Palestane Libera-Jordanian Government were tion Organization regards the protected by law strip as a prime battleground, Mr Annon Bierman of Jeru-the sources said.

Fighting in Namibia stepped up

From Ray Kennedy Johannesburg, Feb 17 Lieutenant-General

Chand of India, commanderdesignate of the proposed Uni-ted Nations military force in Namibia (South West Africa), arrives in the territoy tomor-row in the midst of a sharp increase in fighting between South African troops and guerrillas of the South West African People's Organization (SWAPO).

Prem

According to South African military sources, Swapo has intensified activity to create an impression that is is in a strong position south of the proposed demilitarized zone that will stretch along both sides of the Namibian-Angolan border.

Troops and helicopters yesterday were searching dense bush country north of the min-ing town of Tsumeb for a Swapo force which has infiltrated through the Ovambo home land into the white farming

military South African Sources are predicting that Swapo will go all out to make its presence felt by means of a General Chand is due to spend 10 days in Namibia for a firsthand look at the problems of establishing the demili-torized zone which political leaders in Namibia consider to be unworkable. It will cover an area bigger than the British Isles.

London Muslims in bitter dispute

The board of trustees of the Islamic Cultural Centre in London is expected to report soon on a cispute which has split the Islamic community and brought private fears for the life of Dr Zaki Badawi, the centre's director.

For weeks, charge and counter-charge have been flying in discussion among Muslims living in Britain and in the Arabic and English-language press, both here and in the Middle East. Both sides are highly charged in pursuit of their positions and there is more than a whiff of Arab politics beneath the debate on the handling and organization of the centre's activities and those of the mosque near Regent's

Park, London.
Dr Badawi's detractors say he has advocated non-Islamic teaching, reduced the amount of Islamic teaching available to the children of Muslim families and that he has filled key posts at the centre with the centre to hold office since and his five friends. They also claim that it was opened in 1944, having his favour.

Johannesburg, Feb 17 Caches of Soviet-made arms

allegedly smuggled into South Africa from Mozambique by

African National Congress (ANC) guerrillas have been dis-

covered by police and troops searching rugged country in northern Natal. Police said this

weekend the haul was the big-

The weapons included latest models of Kalashnikov AK 47 assault rifles, hand grenades, plastic explosives, and detona-

gest ever made.

South African troops find

The detonators were packed both women, were killed.

huge cache of arms

his Islamic learning is less than scholarly and that he has created divisions within the Muslim community in Britain. There are a host of lesser accusations which Dr Badawi rejects as strongly as he does the more fundamental criticisms. But the situation is becoming

serious as the board's six-week investigation draws to a close. As one London Muslim put it: "If the board does not act quickly the Muslim community will stone him to death." Dr Badawi rejects the charge

that he has reduced the amount of teaching available for young Muslims saying that when he arrived to take over the directorship in 1978 he faced outstanding payments of £25,000 and that he has now restored the level of instruction to something like that previously available.

Faced with criticism of his scholarship he claims that he is the best-qualified director of

Cuban cigar boxes.

thing was very well protected

against the elements," Col Mellett said. "There was no

indication as to how long the weaponry had been there."

Police and troops are still searching the area which they refuse to identify. Colonel Mei-lett said: "We regard these fident that when the board reports, Mr Nassir Seif el Bualy, the chairman and Omani ambassador, will recommend that Dr Badawi is relieved of his post. Dr Badawi is equally confident that the ambassador

and his five peers will find in Binaisa rally in Kampala attracts 10,000

Nairobi, Feb 17

President Binaisa of Uganda, who is resisting moves by members of his own Government to force his resignation, appeared to gain considerable support yesterday when he drew a crowd of more than 10,000 people at his first public rally in Kampala since taking office last June.
Referring briefly to

growing opposition, he said: Some of you are in a hurry to become president of Uganda. I think I should wear a sign

finds as a tremendous break-Colonel Leon Mellett, police press spokesman, said: "There was enough to start a small war. There is evidence they have been smuggled into South through in curbing the alarming rise in terrorist infiltration in the last few months. The find has spoiled a lot of plans for possible Silvertons. Africa with specific, strategic targets in mind. The weapons included latest

" Every-

Last month three gunmen were shot dead when police stormed a bank at Silverton near Pretoria, where 19 hosrages had been held for eight hours. Two of the hostages,

saying do not disturb." He did not refer directly to Mr Paulo Muwanga, who was removed last weekend from the Ministry of the Interior. But support for revoking Mr Muwanga's ban on three news-

Engineer pulled from wreck of British iet

Billerica, Massachusets, Feb 17.—Six men and a woman were killed but an eighth person survived yesterday when a British cargo aircraft crashed soon after taking off in heavy snow from Boston's Logan international airport and international airport and exploded a few hundred yards

from a residential neighbour-Originally, seven people were believed to be on the aircraft, but another body was found later in the wreckage, an official reported. All the dead were from England.

The crash occurred in a

The crash occurred in snowstorm minutes after the four-engine turbo-prop owned by Redcoat Air Cargo Ltd of Luton took off from Logan on a flight to Shannon and London. The cargo was computer parts bound for the Digital Equip-ment Corporation in Galway. About 10,000 gallons of aviation fuel were also on board. According to a witness, the Britannia cargo jet ploughed

through a line of trees, skipped through a field and hit more trees before coming to rest on an embankment behind an industrial park.
"It must have been trying to make the field. It hit the first

line of trees and started coming apart. Pieces of the plane were flying up in the air and there were a lot of small fires and a big explosion". said Jim Murphy, aged 17, of Billerica. The lone survivor was the flight engineer, identified as Richard Creer, aged 59, of Parkstone, Dorset. He was said to be in a critical condition. A resident near the crash site said he had found Mr Creer still alive and dragged him away from the burning wreck-age and administered first aid until medical help arrived .-AP and UPI. Crew identified: The seven who

died were named as W. G.

Coburn, the captain, of Lech-lade on Thames; J. K. Jones, first officer, of Malmesbury,

Wiltshire; A. J. Becken, and gator, of Hove, Sussex; D. White, loadmaster, of Milton Bucks; W. Brady, Keynes, Bucks; W. Brady, ground engineer, of Luton, Beds; L. Heady, load agent, of Charlwood, Surrey; and S. Parker, a passenger of Lyneham, Wilts (the Press Association reports).

Airline officials and representatives from the United States Civil Aviation Authority are investigating the cause of the crash. Fire officials said that the aircraft exploded twice

Redcoat Air Cargo is being featured in a new 13-part BBC series called Buccaneer. In it, the airline is called Redair, and the aircraft that crashed is believed to be the one used on the BBC programme. The new series is about the adventures of pilots and staff running a cargo mirline through African wars and foreign up-

Haiti: Sylvio Claude By Caroline Moorehead
Sylvio Claude, founder of
the Christian Social Democratic Party of Haiti, was shot
in the hand when his party

headquarters was raided by police on August 29, 1979. He escaped through a window, made his way to the radio station and broadcast a statement about the suppression of his parry, before being arrested.

He is now though to be held Fort Dimanche, Porrau-Prince, a prison where, according to Amnesty International, several hundred political pri-souers are known to have died in recent years.

This is not Sylvio Claude's

first experience of prison. He was arrested earlier last year when he stood as a candidate in the legislative election against the Contrôleur-Général of Police. According to people who

claude, a businessman from Mirebalais, was beaten severely by the group of security militia, or Tontons Macoutes, who came for him. He said later he had been given electric shocks on the soles of his feet before being deported to Colombia. He returned to Haiti a couple of months later to found the Christian Social Democratic Parry—a courageous undertak-ing, given President Duvalier's antagonism to all political opposition, and the repressive powers on the island of the Tontons Macoutes, and the President's special security

corps, the Leopards.

Every five days one million people are added, which will mean an increase of some 2,000 more million by the year 2000, more than the global population in the first two decades of the Nine tenths of the increase, which will take population from

the Brandr Commission said in their report that they believe

the growth of world population will be one of the strongest forces shaping the future of

4,300 million to perhaps 6,500 million will be in developing countries, their report says.
What happens after 2000 depends on whether the present decline in fertility accelerates or slows down. Projections suggest world population could stabilize at between 8,000 million and 15,000 million in milion and 13,400 in the course of the next century.

But even with declining familiar most developing most countries are at least likely to

The second of a series which examines the main topics dealt with by the Brandt Commission's report.

By Roger Berthoud
Herr Brandt and his 17 colleagues from developed and developing countries who sat on the Brandt Commission said in It is difficult to avoid the

Study foresees devastation in a human society of 15 billion

Foreign aid flags on Third World birth control

conclusion, the Brandt Com-mission says, that a world of 15 billion people would be wracked by a host of potentially devastating economic, social and political conflicts. Much will depend on action now to hasten the stabilization of population.

Many countries have shown

that economic and social de-velopment help to limit popu-lation growth, and that public policies can contribute directly. China has in the 1970s cut its per cent to hittle more than 1 per cent, and aims for zero growth by the year 2000. Chile, Colombia and Costa Rica—the first Latin American countries to adopt systematic family plan-ing policies — have reduced their birth rates by almost one third over the last 20 years, as have Hongkong, Singapore and

South Korea.

Birth rates are now falling significantly in most of the Third World, except for Africa and some of the poorer Asian countries, like Pakistan and As global pressure on the

earth's resources and environment increases, so inevitably will movements of labour across national boundaries, which have assumed large proportions in the last decade.

At present there are about 20 milion migrant workers in the world, about 12 million of them from developing countries. Some six million are in the United States, mainly from Mexico. Western Europe's share went from two million in the early 1960s to six million in the early 1970s, but fell to some five million after the 1973 five million after the 1973 recession, about two million being from developing countries like Algeria, Morocco, Turkey and

A further three million are in the oil-producing countries of the Middle East—two-thirds from the region itself, the rest mainly from South and South-

A very different form of migration has been the "brain

drain" of some 400,000 doctors, engineers, scientists and other skilled people from developing to more developed countries. Many trained abroad have chosen not to return home, to the great benefit of their hosts. Sending countries have bene-fited from skills acquired by workers who return, and from money sent back by migrants-remittances which in some cases (like Pakistan) almost equal export earnings from commodities and manufactured goods.

Refugees have provided another flow of international migration. It is estimated that in this century some 250 million people have fled their countries. In the past three years, there has been an average of 2,000 to 3,000 new refugees a day. They are driven not by population pressure but by intolerance, political instability and war. The Brandr Commission em-phasizes the link between poverty and high birth rates and the need to aim at a

balance between population and resources. It calls for fair treatment for migrant workers and stronger rights for refugees, and for more urgent coopera tion in preventing irreversible

wiss would like to congratulate the philosopher Diogenes on his modesty. After all, we have always had a soft spot for people who can rise to great thoughts and can achieve true happiness in such narrow confines. There is one piece of advice we should have given him if we had ever been asked: he should have made a window in his tub! More light would have tallen into his living room, and nobody would have been able to stand in his sun. For our part, we make sure that we have plenty of windows - and plenty of cosy iving rooms behind them.



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last Edwardian



President Kennedy and Mr Harold Macmillan : rather like a son and father relationship.

Mr Harold Macmillan was fortunate in that he knew the political leaders abroad by much of the vast apparatus of the those in the western world, that is—with whom he had to do business. "For munications staffs, cohorts of officials of 10 years after the war we had the advantage of friendships made in war", he once remarked to me in conversation at Birch Grove. "I knew them all."

He went on (as I had rather expected) to speak of two in particular, Presidents Eisenhower and Kennedy, both of whom he deeply admired:

I think people now realize what a fine man like was. He was a sort of Duke of Wellington of America. I was lucky to have him. Suddenly after him came this young brilliant figure, John Kennedy. I had a vague recollection of him earlier because his sister had married my my wife for the filly lection of him earlier because his sister had married my—no, my wife's—nephew, Billy Burlington (Lord Burlington, later the Marquess of Hartington). This young man, a pioneer while I was an aging Prime Minister between 60 and 65, he came here to this house. I had with two Presidents this extraordinary relationship: I was a sort of son to Ike, and it was the other way round with Kennedy.

Just as his bonds with Fisenhouser were

Just as his bonds with Eisenhower were cemented in war, his bonds with Kennedy were cemented in war, his bonds with Kennedy were cemented under the threat of war when in October 1962 the peace of the world hung by a thread. Under Castro, Cuba was being prepared as a base for a Soviet offensive against the United States. Sites had been armed with long-range balkistic missiles, directed towards the great cities of America. It soon became apparent that they represented much of Russia's available nuclear strength. On Monday, October 22, Macmillan wrote his diary: "The first day of the World Crisis!" His phrase did not exaggerate His phrase did not exaggerate the peril confronting the West-though now, only 17 years later, the magnitude of the challenge is largely forgotten.

He had been alerted to the danger the in Washington, David Ormsby Gore, whose warning was quickly followed by a "most private"—and most solemn—message from President Kennedy, teletyped into Admiraky House, Macmirilan was the first of the allied person abroad—the first of the allied leaders—to whom Kennedy turned in this extremity. Separated by the width of the Atlantic ocean, but in unbroken communication, he remained at the President's side, as it were, throughout the developing crisis, from the first day to the last, when the Soviets climbed down and agreed to dismantle their rockets.

Macmillan's influence with Kennedy in the gravest threat to world peace since the war was not understood at the time except by a few of his intimates; nor is it widely recognized even now. The President reposed in him a degree of confidence extended to no other allied statesman, and to only a handful of his com-

But the public did not know thiscould not know it, given the delicacy of their transactions. Indeed the British Government was depicted by the Labour opposition in the House of Commons as having no say in events, or none worth speaking of: so much for our "special relationship" with America, British newspapers were similarly sceptical or dismis-sive, but with rather more excuse than the parliamentary opposition, whose leader, Hugh Gaitskell, trad been taken into Macmillan's confidence, at least partially, along with Harold Wilson and George Brown. (Macmillan found Gaitskell and Wilson rather "wet" in their response, George Brown more robust.) In fact, the "special relationship" had seldom been more fruitfully invoked or fulfilled. Apart from Kennedy's respect for Macmillan's judgment, and the cor-diality between them, each enjoyed the advantage—it was a mutual advantage of an admirable intermediary, an invaluable confidant, in the person of Ormsby Gore (now Lord Harlech), a personal friend of both the President and the Prime

Among other things, Macmillan advised Kennedy against the worldwide Nato "alert"—the summons to action stations which was being urged upon him in Washington and could have had little, if any, constructive significance. As Macmillian wisely observed: "mobilization" had sometimes been a cause of war. (In Britain, incidentally, such an "alert" would have involved a Royal Proclamation and the callup of reservists.)

To study the origin and course of the Cuban missile crisis, as recapitulated at length in his memoirs, is to understand something of Macmillan's vision. His account, replete with presidential texts and other exchanges, is probably the most instructive and dramatic chapter in his sixth and final volume. His account of John Kennedy's visit to Birch Grove eight months afterwards is less important but on

a personal level even more moving. Kennedy spent a summer weekend with

every rank and degree from ambassador to cipher clerk. US Army engineers installed four hundred telephone lines; in Brighton. the Grand and Metropole hotels were taken over. Maurice Macmillan's house on the estate at Birch Grove became the forward communications centre. But at least the family were spared some of the domestic trials of an earlier visit by de Gaulle, when Mrs Bell, the cook, had complained about having to store a supply of the General's blood plasma in her refrigerator (Kennedy had his own ambulance plane in attendance), and the head gamekeeper, Mr Blake, had been indignant because security squads were infesting his woods and disturbing the pheasants.

To Macmillan, dazzled by the heroic presence of the young President (and a good part of his court), this was perhaps the most romantic episode of a long premiership. The main business of that short weekend—it was really of twenty-four hours, from Saturday to Sunday—was the prospective Test Ban Treaty, presently attained. Macmillan was greatly gratified by the President's encouragement and sup-

In his memoirs, he had described their now, sailing down the valley above the heavily laden, lush foliage of oaks and beech at the end of June. He was gone. Alas, I was never to see my friend again. Before those leaves had turned and fallen he was snatched by an assassin's bullet from the service of his own country and the whole world."

Macmillan's own long period of office was also to end within the same short space of time. Even before the violent death of poor John Kennedy, his elderly friend, the last Edwardian remaining in public life, found himself obliged to resign.

Although Macmillan's friendshin with the first of "his" American Presidents was formed in Africa, albeit on its nor-thern, Mediterranean shores, there is no reason to think that his response to the innumerable pressures for independence throughout that continent, a response memorably expressed in his "wind of change 15 speech, was directly affected by either of them except in the sense that he was closely and continuously exposed to the settled and long reiterated American belief in the merits of colonial liberation. The famous speech was delivered to both Houses of the South African Parliament in February 1960. Contentious at the time (and offensive to his hosts), it has remained contentious: Macmillan's critics accuse him of having contributed to a weakening of white authority, to the en-couragement of black nationalist demands and the abdication of European responsi-bilities in Africa, the surrender of Western interests, not least in Rhodesia. To others it seemed, and still seems, a speech of reason, realism and moderation.

We do not know who suggested the words "wind of change". If John Wyndham, who was with bim, could not discover the authorship, neither can I: nor is it worth further inquiry, for the phrase is commonplace enough, subsequent fame or notoriety notwithstanding. The key pas-

Ever since the break-up of the Roman Empire one of the constant facts of political life in Europe has been the emergence of independent nations. They have come into independent nations. They have come into existence over the centuries in different forms, with different kinds of Government, but all have been inspired by a deep, keen feeling of nationalism, which has grown as the nations have grown.

the nations have grown.

In the twentieth century, and especially since the end of the war, the processes which gave birth to the nation States of Europe have been repeated all over the world. We have seen the awakening of national consciousness in peoples who have for centuries lived in dependence upon some other power. Fifteen years ago this movement spread through Asia. Many countries there of different races and civilizations pressed their claim to an independent national life. Today the same thing is dent national life. Today the same thing is happening in Africa, and the most striking of all the impressions I have formed since I left London a month 250 is of the strength of this African national consciousness. In different places it takes different forms, but this happening everywhere. The wind of change is blowing through this continent, and, whether we like it or not, this growth of national consciousness is a political fact. We must all accept it as a fact, and our rational political receptions.

mational policies must take account of it.

Of course, you understand this better than anyone. You are spring from Europe, the home of nationalism, and here in Africa you you yourselves created a new nation. Indeed, in the history of our times yours will be recorded as the first of the African nationalisms, and the tide of national consciousness, which is now right in Africa to for for which is now rising in Africa is a fact for which you and we and the other nations of the Western World are ultimately respon-

sible For its causes are to be found in the

achievements of Western civilization, in the pushing forward of the frontiers of knowledge, in the applyin gof science in the service of the human needs, in the expanding of food production, in the speeding and multiplying of the means of communication and, perhaps above all, the spread of education.

It is a basic principle of our modern Commonwealth that we respect each other's sovereignty in matters of internal policy At sovereignty in matters of internal policy At
the same time we must recognize that in this
shrinking world in which we live today the
internal policies of one nation may have
effects outside it. We may sometimes be
tempted to say to each other: "Mind your
own business"; and in these days I would
myself expand the old saying, so that it
runs: "Mind your own business and mind
how it affects my business too."

As a fellow member of the Commonwealth

As a fellow member of the Comm As a fellow member of the Commonwealth it is our tarnest desire to give South Africa our support and encouragement, but I hope you won't mind my saying frankly that there are some aspects of your policies which make it impossible for us to do this without being false to our own deep convictions about the political destinies of free men to which in our own territories we are trying to give effect.

The South African premier, Dr Verwoerd, apostle of white supremacy and apartheid, in whom Macmillan had detected a strong Calvinistic streak ("He was certainly as convinced as John Knox him-self that he alone could be right"), was understandably put out, affronted. Mac-millan was unrependent, and has never regretted his candour. As John Wyndham wrote later, in his own memoirs:

should have seemed startling or novel. He should have seemed startling or novel. He spoke about the force of African nationalism. Of course. It was something that existed throughout the whole wide continent. He spoke quietly and logically about the need to come to terms with African nationalism as a political fact. ... All this was simply a restatement of British policy. Anyone who had expected Mr Macmillan to speak otherwise must have been totally unaware of his innate courage.

En route to South Africa, while visiting Chana, he had in fact expressed the same wind of change, but without arousing much attention, although he did catch the acute if distant ear of Sir Roy Welensky, who—embattled (as ever) in the defence of white Rhodesia—feared the probable consequences of what Macmillan was say-ing and felt forewarned of the ensuing

and stronger restatement.

A restatement, yes; but an emphatic one: so emphatic in its terms and implications as to set Britain upon a lasting and irreversible course in pursuit of policies more or less consistent with his own lib-eral (or liberating) instincts—instincts commanding wide popular support at home. European policy perhaps excepted, this was probably true of all his importnost notably in relation to Russia: they were in tune with much domestic senti-

Over Africa, they were in accord with even wider sentiments, however. They reflected a European, and indeed a larger Western, disavowal of colonial authority and responsibility—as critics of with-drawal would say, a lack of will to sustain the imperial tradition, a failure of spirit. In Welensky's bitter phrase, they represented a tendency to "run before the tempest", to bow and abdicate. His strictures on successive British ministers— Lennox-Boyd, Macleod (especially), Maud ling, Home, Butler—may be unjust. The offect of their policies under Macmillan was nevertheless towards black rule in

every British colony. After the Belgian débacle in the Congo, and in common with other Western states men, they recognized (or they believed) that the European powers had no popularly acceptable alternative to surrender in Africa-surrender on the best (or almost any) terms obtainable. Among British ministers, this instinct was no doubt heightened by the painful memories of Suez-and they were probably right Would Kenya be more stable today, if had tried to maintain our rule in the face of African opposition? Could other measures have perperuated white supremacy in Rhodesia, given the strength of African nationalism? Would South Africa itself have become more settled if Macmillan had never spoken? From the point of view of the white communities in Africa. Macmillan's policy may not seem particularly noble-but it was not ignoble.

Nor was it casual or ill-considered. He followed what he believed to be the course best calculated to serve the longer-term Western (or democracic) interest. In doing so he offended many of the whites in Africa-but not all of them.

🖒 1980 George Hutchinson The Last Edwardian at No 10 will be published on February 25 by Quartet Books at £6.50. Appointments Vacant also also on page 8

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A ballerina with method

When Sadler's Wells Royal Ballet opens at its home theatre theatre tomorrow, Margaret Barbieri will be dancing the ballerina role in Ronald Hynd's new production of Papillon. Although the ballet received mixed reviews on its pre-London tour, audiences have appeared enthusiastic and Barbieri's performance has been generally greeted as another of her individual and convincing interpretations. I asked her how she set about preparing a new role.

"I think you must try to see yourself in the character. Make-up and costume help, but it is mostly a matter of think-ing what it would be like to be that person. In this instance, Ronald gave me one clue when he said 'You're rather butterfly-brained'. She really loves the shepherd boy; then the shah comes along in all his splendour and she thinks 'That's nice too'. Later the shepherd comes back and when she sees him she again likes him.

" Of course the style that the choreographer wants is impor-tant. In Papillon, Ronnie wants it all to be in the style of the romanic period; for example, the butterfly scenes like the lithographs of that era. But I am also having to concentrate on other things. Papillon has on other trangs. rapinon mas several costume changes, some of them very quick, and there are some gadgets for trick stage effects. She has to fly, too, and I have never flown on stage before.

" I think my way of working at

Pd. & Sal. 11.15. Seats bible, Lic'd spage.

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"I was lucky in my dancing lessons because there were so few of us learning ballet at that time that I had a private lesson every day. The great thing among children who did learn dancing in South Africa was compensions. I hate the competitive idea applied to dancing. You should not dance to win; you should dance for your audience and for what is in you. But one compensation was that at least you grow used to appearing before an audience at an early age so there is less chance of stage fright later.

When I came to the Royal Ballet School, I was surprised to find myself chosen to dance the gypsy in The Two Pigeons for the school's performance at Covent Garden. I thought that's not me, I'm not the sexy type! Donald Britton, who was belping to teach the ballet, suggested I should go to Soho to find out how to play it. I decided I was not going to do rhat, but I was not going to

Homage to Chopin

It is only two years since David Bintley made his first profes-

sional ballet, but the new work

given its premiere at Stratford

on Friday is already his fifth

for Sadler's Wells Royal Ballet,

and another is announced for Covent Garden in April.

In the latest piece, Homage

to Chopin, Birtley continues to

widen his range by again choos-ing a style quite different from anything he has done before.

The music is by the Polish

composer, long settled in Britain, Andrzej Panufnik, and

is mainly his highly atmos-pheric work of the same title,

written for the centenary of his

great compatriot's death. Into

his Panufnik incorporated, for

the ballet, part of the Mazurek from his "Polonia".

The main score is a ravish-

Stratford

John Percival

Margaret Barbieri as Geriride Lawrence in The Grand Tour

Now that I dance both the roles in Pigeons, I am very glad to be able to do them both, but I think I have a any choice at the time, you were just glad to be chosen at all. Perhaps if I had a choice I would have liked to dance with now had to leave it again. But again, I enjoyed especially I think there has been more rebearing it with Donald Macsatisfaction in the end; I Leary to coach me.

ghosts from his country's past, and Bintley has responded with

choreography that also plays with allusions and images from a past and distant land.

Ashmole, surrounded by six young women. All are dressed

in white and grey, a modern interpretation by Bintley's usual designer, Mike Beckett, of tradi-

tional romantic costumes, the man's shirt buttoned like a

At first the man wanders

among the women, but soon one

of them, Nicola Katrak, joins him for a short, tender, and

rather shy, duet. When he later

dances a more sensuous, rap-turous duet with Anya Evans,

and a flurtations one with Sio-bhan Stanley, you think he must go on to dance with each of the

But this is a ballet in which

the obvious never happens. The

remaining women have plenty

others in turn.

The ballet has one man, David

give up the role either: 1859 1 on my career it would have mendous help preparing that had to draw on what films affill bleen nice to be able to spend role.

paintings I had seen and what more time in the rehearsal I had read about gypsies. Also studio.

I have quite a good imagina
"I find it refreshing to go and I enjoy them, but I like I have quite a good imagina"I find it refreshing to go and I enjoy them, but I like I have quite a good imagina"I find it refreshing to go and I enjoy them, but I like I have quite a good imagina-

off and make guest appearances abroad, especially dancing new roles or with new partners, I thought, for in-stance, that I should never get slight preference for the girl.

"When I left the school, I probably wasn't really me was taken into the touring anyway. Then the chance came company, I don't think I had to dance it in Frankfurt so I took it, and it worked quite

well.
"I also very much enjoyed working on Julier at Covent Garden, and of course would rehearsing it with Donald Mac-Leary to coach me; he was wonderful. I was upset that

parent ease of execution are

given more importance than the actual difficulty of the steps.

This is not just a promising work, but one of high achievement, the best creation for any

British company for quite

some time. And, as usual with Bintley, ideally cast for an

At Covent Garden on Satur-

day afternoon, the other Royal

Ballet company showed a fine

new cast in A Month in the

Country. Completely new to his

role as Beliaev, the tutor, was

David Wall, alert to every

nuance, convincing in every detail. Sandra Conley and Gillian Kingsley have occasion-ally appeared before as Natalia and Vera. Both are excellent,

ideal performance.

and I enjoy them, but I like tackling all kinds of ballet and different roles, and finding the right way to play each. I am glad that The Grand Tour is back in our programmes, because that is fun to do, and I am very pleased that Galina Samsova is going to stage. Paquita when the Sadler's Wells company appears at Wells company appears at Covent Garden in May.

"I watched the television performance by the Maly Bal-let and was wondering which of the solos would be mine, but Galina said that she has a different version. I am happy that we are to have it, and would like to see more of the the less frequent performances one of the reviews said I was classics out on tour. After all, most dancers get at Covent obviously insufficiently that's what most people want Garden, even though at times rehearsed, because I had tre- no see, isn't it?"

The South Bank

London Weekend

Michael Ratcliffe

The South Bank Show returns

et a time when the competition is unusually strong—both Omni-bus and Arena have sustained a high level of variety and interest so far this year—and when its marginally more informal approach to literature and the arts might therefore be looked at more closely. One of the things about Melvyn Bragg's show is that it does not always make the effect that it thinks it is making: last eutumn's Shakespeare workshop, for example, exposed the RSC's little vices as clearly as their great strengths, and it was hard to feel that this first programme in the new series would do much to revive the fortunes of Haydn's operas on the modern stage, as Mr Bragg cheerfully hoped it might do, or, more seriously, that the Round House performance of Love and the Ice-cream Vendor, which I did not see, was shown to best

True, there was great pleasure in the playing of Musica nel Chiostro under Jane Glover and some the singing of Francis Egerton and Sandra Dugdale as the old fool and the grl, but it would be presumptious to indge the gality of Patrick Libby's modern-dress production or Russell Davies's translation, even though that is what The South Bank Show was asking us to do. A piece like this needs theatrical momencum: in little bits, it never comes to life.

What we did get, between the extracts, was an excellent pro-gramme about the problems of translating and performing eighteenth-century Italian comic opera and in particular about opera and in particular about transforming Lo speziale (Eszterhaza, 1768) into Love and the Ice-cream Vendor (Chalk Farm, 1979). "I don't like hearing the English language sung", said Mr Davies, whose work was commissioned by The South Bank Show itself, "and would like to have used all borrowed words like 'nortice' and like to have used all borrowed words like 'portico' and 'banana'." He then spoke of the need to keep the words as neutral as possible, since the conventions of the day demanded they be used sparingly, do capo, again and again. That there is indeed nothing worse than an indifferent joke running round and round like a chicken that cannot die was chicken that cannot die was proved at least twice in the ex-tracts we saw, and if he meant what he said the one about Harty and Parky will come out now, this morning. But he saw all the problems clearly.

Equally intelligent and articulate was Miss Glover, who spoke warmly of Haydn's universality and dramatic language, and in fact I could happily have watched the pair of them, with Mr Libby, playing, rehearsing and talking about Hayda for the whole hour, leaving the extracts from the performance itself, with all the questions they raised, from another time.

fares reappear even later in

Connerin's Italianate sonata *La* Steinquerque composed to cele-

brate a victory won by the Field Marshal of Luxembourg in 1692.

In both works the baroque fiddles exercised the necessary neatness of style, pointedness of rhythm and discipline of ensemble. They applied the same skill in the rather tedious

and trifling Capriccio Strava-gante by the early seventeenth-century Italian Carlo Farina whose experiments in novel techniques like pizzicato, col

legno and glissando and whose attempts at realistic depiction

of chickens, cats and dogs have

won much recent attention.

Much more restrained is Rebel's ballet Les Elèmens

(1737) which soon resolves the

initial dissonant Chaos into the

unison harmony and choreo-graphic discipline of Natural Order. The flute's flowing

phreses represented Water, its trills the Air while the sprightly

fiddles depicted Fire and the bass, firm but occasionally troubled tremors, characterized the Earth.

Manon

Coliseum

Stanley Sadie

From hack to Great Cham of literature

Dictionary Johnson The Middle Years of Samuel

By James L. Clifford (Heinemann, £10)

Samuel Johnson would be a more appropriate patron saint for the English than our ob-scure Palestinian soldiermartyr. His style, the bottom of good sense, the emotiona-lism, and the eccentricity of that pessimist with an enorour national idiosyncrasy (or what we like to think of as our national idiosyncrasy). know Tohnson more incimately than any of our other national hedge of him is lop-sided.

Almost half of our greatest biography focuses on Johnson's last eight years, because Bozzy, that reporter of genius, preferred to use first-hand evidence. So we know Johnson as dence. So we know Johnson as national institution, gladia-torial conversationalist, and grand old man of letters better than as dilatory Grub Street back floundering to keep

in 1955 James Clifford filled in the early years with Young Samuel Johnson, Now Diction-ary Johnson (Mr Clifford died shortly after handing in the manuscript) builds up the mid-dle years from 1749 to 1763 with the same mosaic of contemporary letters, journals, newspapers and marvellously funny anecdotes. These were the productive years, in which Johnson wrote the works, from The Rambler and the Dictionary to The Idler and Rasselas, that were the foundation of his

afloat.

fame and success.

Not even so thoroughly researched a book as this is going to redraw the familiar outline of Johnson, after so outline of Johnson, after so much ink has been expended on him. The hoge, uncourt figure in groupy clothes, in a little dark wig that barely covers his head, still slaves away in his untidy attic; that is, when he has not overslept or wandered off to swill tea and make conversation to win, seeking command to assume and make conversation to win, seeking company to assuage the loneliness of the freelance writer. His frigid wife Tetty, who by now spent as much time as she could outside London, and never enjoyed his success, dies early in the book, leaving Samuel hag-ridden with guilt about her, as well as about the mother he loved but somehow could not admire. He still wrestles with the foul fiend of black despondency, fears for his sanity and makes frequent resolutions against idleness and unchastive that he knows he is not going to keep.

What this biography does to alter the angle and add

details to the outline. Reading Boswell one can forget how desperately close Johnson came to sinking before he made good. We see him arrested for debt twice, carried off to a sponging house, and declaring to the bailiffs who had moved in on behalf of the milkman: "Depend upon it, I will defend my little citadel to

the utmost." Any hack who has ever procrastinated with intro trouble will recognize with a groan the mous zest for living magnify extreme symptoms in Johnson, our national idiosyncrasy (or who could not start writing until hard up against the dead-line. But then the old pro could scribble it down in a room full of company, with the beroes because of Boswell copy boy standing by waiting, Because of Boswell our know without blotting a line. A woman friend wrote to him: "You can write amidst the tattle of women, because your attention is so strong to sense, that you are deaf to sound."

In matters of new detail the

book demonstrates that Johnson did once meet Henry Fielding JP (whom he later described to Boswell as at barren rascal), when he went. to Bow Street to provide bail-for the wife of one of his amanuenses. It shows him almost being prosecuted for defamation. And we learn of the tone-deaf man with no eye for the visual arts, but a warm heart, helping a group of artists to plan their first exhi-bitions. At times the detail is unduly nice for all except hardened and shameless addicts. as in the textual analysis of who wrote which article, or three pages of speculation about the lavatorial arrange-ments at Gough Square (chambler pots, of course, and probably a one-holer Jericho below the level of Pembroke

Row). Stories attach themselves to Saint Samuel like barnacles to a breakwater. Here are some agreeably unfamiliar ones, from exchanges with Wilkes about lexicography to Johnson, on a jaunt to Devon, kicking his tight slippers high in the air to ourrun a young lady. The new focus on his middle years confirms the opinion that in most of the great bat-tles of life, from love of free-dom and hatred of oppression, dom and hatred of oppression, to desire for order and practical sympathy for such underdogs as blacks, prostitutes, women generally, the impoverished, the needy talented, Johnson was on the right side. Right at the end of the book in Tom Davier's bookshop in Covent Garden Inhuson meets. Covent Garden Johnson meets a young Scot on the make, in a momentous encounter for both of them and all of us. No book could have a more promising

Philip Howard



Gough Square as it might have looked in Johnson's time. Ceiling painting by Felix Kelly in the Houghton Library at

Gay Life London Weekend

Michael Church In the beginning was drag, and drag was working class. Sailors and policemen did it, and George VI saw it, and saw that it was good. There was Danny La Rue, and a show called Boys Will Be Girls. Then, in husky revolt, came the leather men, and after them the clones. Clones wear short hair, droopy moustaches, check shirts, turned-up jeans, yellow cowboy boots, and come in boxes of a hundred. Twenty boxfuls at a

time gyrate happily in a strobe-lit grotto called Heaven. The homosexual club scene

NOW AT

boldly reflect this quality so voicearly in its run. It kicked off of last week with a thought-provoking report on the security-vetting of homosexuals in the civil service. Last night's programme was a fascinating trawl with nets cast provocatively wide: no heavy asperasions, of course, but how piquant to see two dozen members of the Salford Police so daintily tricked out as sylphides in 1937.

Much of the programme dealt with the male homosexual marriage market (the female one sometime soon?). This is a matter of some moment since homosexual marriages are on the whole made and broken rather more frequently than heterosexual ones. We were The homosexual club scene has always been a jolly affair, and it is to the credit of the London Minorities Unit that its ways of "signalling their sexual new series, Gay Life, should preferences"—subtle codes in-

of your handkerchief, and which side you wear your keys. The leather/limp-wrist dichotomy was examined in depth, with champions of each style pouring scorn on each other. The clones, who are after all no more clone-like than men in city suits, were seen to be taking a sensible way out. It was left to George Melly, himself an ex-member of the brotherhood, to draw the central moral: every "scene" is a pity, whether black, homosexual or anything else, being as it is a dimination both of its members and of the rest of members and of the rest of society, which thus remains unleavened.

pitfall inherent in the series as a whole: visible ghettos are better than invisible ones, but no ghetto is good.

and the interplay among three exceptionally intelligent, clear and heartfelt performances made the baller very moving. volving the colour and position

Which brings us back to the

ingly beautiful piece, for solo flute (played here by Patrick Williams) and small string orchestra. The music conjures ghosts from his country's past, and small string or the string or

Frank Dobbins

On Saturday evening Christopher Hogwood directed his small ensemble of two baroque fiddles, viola, cello and flute in a programme of descriptive music by French and Italian composers of the seventeenth and eighteenth centuries. The title "Birds, Beats and Battles." attracted a large audience who relished the more or less familiar examples of early programme music.

The baroque flute, symbolic and evocative, accumulated a large repertoire of ornithologi cal imitations during the eighteenth century. Stephen Preston, in good form, added a selection of charming tunes from the anonymous Bird Fancier's Delight to the published programme, which included Vivaldi's "Goldfinch "Concerto (Op 10 No 3), Couperin's Le Rossignol en Amour and Daquin's Le Coucou—the last two being arrangements of pieces originally printed as harpsichord solos. The Nightingale sounded somewhat tentative and wistful, but the Cuckoo

was bright and gossamer. In the absence of trumpets the programme's martial representatives were the strings. The static harmonic style and triadic motives introduced by Janequin's some celebrating the French victory at Marignano in 1515 persists over a century later in Andrea Falconiero's short trio-sonata entitled Battalla de Barbaresa Yerno de Satanas. The fan-

la Reine scene. Duet for One

sets: truthfully detailed, pictur-

esque, finding their inspiration

in French art of the date of the action—one could relish for ex-

ample the Fragonard-like com-

bination of delicacy and eleg-ance in the trees of the Cours-And the detail, the elabora- rather, a girl fresh, innocent tion, the nicely observed per- and loving, so much so that her fringe venue, and it seats only

don's Parisian world, while to-gether they catch the fragrant senument of Massenet's score.
The revival on Friday prom-I do not think there is at pre-sent an opera production in not quite fulfilled. For a start,

sent an opera production in not quite fulfilled For a start, London that falls more delight-fully on the eye than the Eng-terson from appearing. The hish National Opera Manon. It ENO are lucky to have at hand was new, or nearly new, just an understudy as capable as under a year ago, when with Penelope Mackay. She has a Alix Stone's lavish period cosparticularly charming top to particularly charming top to her voice, with a happy crystaltumes (retained from the pre-vious production) it was first line glitter and plenty of flu-given with Henry Bardon's new ency; the middle and lower registers are not yet quite so well focused.

She sang her Act I aria very prettily, with spirit and a hint of wistfulness. What she did not manage to convey was the fatal streak of hedonism in Manon's character : she offered.

oal relationships that mark decision in Act II seemed out John Copley's style as a pro-ducer fit ideally with Mr Bar- the kind of subtlety that can develop only with experience.

John Treleaven, new to the part, sang Des Grieux: he pro-duced of his best only in the some clean lines and ardent. lyrical-heroic tones, earlier there had been hardness in the louder music, insecurity in the softer. Niall Murray sang strongly rather than subtly as

There was a neatly drawn Guillot from Edward Byles, and a strong Count des Grieux from Richard Van Allan. The conductor, Nicholas Cleobury, is not quite animed as yet to the elusive idiom of the score? the orchestral balance was not always just, and details of tim-ing and the shaping of the lines would repay a little more

affection.

Bush

Ned Chaillet

The best thing we can do in these days when stringent "theatre" and the so-called
"fringe theatre". The difference used to be that between the resolutely respectable and the adventurous, and there was a difference, but now the word fringe" is simply a clue to the size of the venue.

Duet for One, it ought to be suffering clear that the theatre has through the picked up the ball long since dropped by the fumbling commercial managements. The the sparry theatre still appropriate the sparry theatre still appropriate to the sparry that the still appropriate the sparry that the still appropriate the still appropriate to the sparry that the still appropriate the still appropriate to the sparry that the still appropriate the still appropriate to the sti policies threaten to hobble the entire structure of British theatre, regardless of the broadcast denials of Mr Norman St John-Stevas, is first to quit pretending that there is a productions of new plays that laughter and a sharp measure fundamental difference between 10 years ago would have been of pain. The achievement of measure up for Shaftesbury

was not indulging in lighta few more people than a hearted banter, rather entering London bus, but with plays like slowly into analysis, revealing Jonathan Geme's The Tax Exile through tan vitticisms that through tan vitticisms that and now Tom Kempinski's she was a talk sted violinist suffering the loss of her art through the onset of multiple Mr Kempinski's writing gives

of pain. The achievement of Avenue:

For a long time at the beginning of Duet for One

ever, is the beautifully matched performances of Miss de la Tour and David de Keyser. In Frances de la Tour so effec- a tightly contained progression' tively sought out every comic of experience and understand-nuance of Mr. Kempinski's ing, they manage to illuminate prose that I forgot how boring two lives. Few better perform-Hammersmith's Bush Theatre conversations with psycho-ances can be found on any Lon-s one we still count as a analysts can be. But then she don stage.

Some of the notices on this page are reprinted from Saturday's later editions





Over 60% of Times readers insure the contents of their homes.





Lysis St John's

Paul Griffiths

Programme notes on contemporary music can be a trial, but night relied on their own barely articulate spoken introduction, which succeeded in making every piece sound like death. And that was a pity, because two or three of the items were really not so bad.

Like most Lysis programmes, this one was a miscellany of works from a vast repertory, in performances ranging from the mediocre to the good. One might wish that the group showed as much taste as enthusiasm, as much application as enterprise, but their concerts do have the virtue of bringing for- ning, this is progressively dis- this time lacked the very neces ward a lot of neglected works rupted by a peremptory trill, sary spark.

and overlooked composers. It was good to hear, for instance, an early set of two pieces by the Dutch musician Peter Schat for the unlikely quartet of flute, trumpet, violin and percussion. Virtually unknown in this country, Schat is they do have their points of usefulness. Without them the members of Lysis on Saturday work he was deep in the advanced serialism of the day. Even here, however, he shows un-usual skill in blending his odd resources and unusual care for logical connexion in creating subtle deflections of melody as one instrument takes over from another.

The other find of the evening was a recent clarinet solo by Stockhausen, In Freundschaft, which like nearly all his music of the past decade is based on a memorable tune. Presented whole at the begin-

then finally reassembled, but the process needs to be pointed with more character and even humour than Colin Lawson could manage on this occasion. He ignored some important tempo changes, and he also ignored the composer's instruction that the piece be played from memory, which is prob-ably essential if it is to have the right mixture of solemnity and cheek. Except for a feeble trumpet

sonatina by Henze which was redeemed by John Wallace, the rest of the programme was dis-mal. It included a 20-minute percussion solo, Norgaard's Waves, of mind-numbing simpleness, and a microtonal duo for cello and double bass by Scelsi, which it still pains me to remember. With stuff like this no wonder the group make a feature of improvization, though their short effort

Commercial property :

Developing historic city centres

Redevelopment in the sensitive central areas of important historical cities is always a somewhat tricky mere Estates, who have had more experience than most in dealing with individual historical buildings in the office field, have now started work on their first shopping

It involves the part demolition and reconstruction and sq ft of shopping space and

the former Plummer Roddis centre development at Canblock and Old Red House at vey, Essex. The long lease-

Upper Borough Walls.

The site has been neutralized for over a decade by argument over the future of the buildings. Finally, after-a selected tender. Bath City Council granted Haslemere a ; ground lease of 125 years on £36,000 a year exclusive, geared to 18 per cent of the rack rents with ground rent reviews on an " as and when "

Nos 1/4 Upper Borough Walls and the fronts of 6/9 New Bond Street will be retained and renovated. Demolition work has started on the remainder. The main contract is expected to start business. It is interesting in July with completion due therefore that in Bath, Hasle in the latter part of 1981. Architects are the Alec French Partmership, Bristol.

Plans provide for 12 shops plus a small store with the 20,000 sq ft net of offices on the second and third floors. Hartnell Taylor and Cook, of Bristol, advised Haslemere in the negotiation of the ground part renovation of existing the negotiation of the ground buildings to produce 44,000 lease and are sole letting agents.

20,000 sq ft of offices.

The scheme, which will Kier Property Investments cost over £2.75m, comprises have sold their new town Across the country. French

quired for £3.8m by the space.

Creater Manchester Council. The premises are a little Superannuation Fund.

cil), passing the freeholds to the transaction. the council and in return receiving a lease of 125 years

of the whole site. The development, which opened for trading last April, comprises a store of 30,000 sq ft let to Keymarkets and 28 standard units, together with parking for 280 cars. The superannuation fund

was represented by Wright Oliphant, and Edward Erdman acted for French Kier in letting the development A factory and site in Kid-

derminster has been sold by Morris and Co for redevelopment to LCP Developments for about £500,000. The property, in Worcester

Road, is freehold and comprises an extensive range of industrial buildings which a sq ft. totals some 118,000 sq ft, in- Altern cluding more than 11,000 so ft of offices, on a site of 10.2 acres. The site also includes ∴ me four acres of undeveloped land with planning permission for a further letting agents.

1/9 New Bond Street and 1/9 hold investment has been ac 17,000 sq ft of industrial

over one mile south-east of French Kier acquired the Kidderminster town centre, various properties within the on the Worcester to Wolvers
61 acre site in conjunction hampton road. Jones Lang
with the Castle Point District Wootton and Edwards Big. Council (initially, Canvey wood and Bewlay acted for the site at an initial rent of Island Urban District Coun- Morris and Co throughout

development is planned on the site of the former Diploma Laundry, on the corner of Shaftesbury Road and Carlisle Road, Leyton, London, E10, which has been acquired by Rohan Construction UK, the Irish-based construction and development company. The vendors were Diploma Investments.
All the existing buildings

will be demolished and new factory and warehouse units totalling some 15,000 sq ft are to be constructed in units from 2,000 sq ft upwards. The scheme is expected to be completed in January; 1981, and it is thought rents will be in the region of £3

Alternatively, the develo-pers will consider a freehold package deal. Peter Taylor and Co who introduced the site acted for Rohan in the acquisition and are sole



Modernized offices in Sutton; Surrey; annual rent £270,000.

After their acquisition last year of Good Listening Ltd, the Reddiffusion Group have sold the freehold interest in the main service course of of the factory, and caused a Good Listening at 502 Walgood deal of local interest.

£435,000 to Parvalux Electric Rentals and Wilks Head and Motors, who intend to occupy Eve for the buyers. the factory. Fletcher King, of London, acted for Redif-

zation scheme.

ing for PPPUT, have been instructed to look for a single. two levels.

fitted carpets and filed ceiling, a feature of the build-ing is a fifted telephone installation. Until last year the local authority, prior to its move to the new Civic

In London, Telephone House, in Gleneagle Road, Montague Streatham, SW16, to James advised. Walker Goldsmith and Sillisdown Road Boarnemouth. The property was finally versmith Ltd. Moss and

sold at the asking price of Partners acted for Telephone

The building, which has a of London, acred for Redif-total area of some 10,000 sq usion. fr net, has been used by In Sutton, Surrey, the Pen- Telephone Rentals as their sion Fund Property Unit South London headquarters. Trust is looking for an initial A large property investment of £270,000 a year or men portfolio has changed over £7 a sq ft, for its office hands for £17.3m. The sale building at 3 Throwley Way, was by PECU, a consortium which has just been the sub-formed by Phoenix Assurject of an extensive moderni- ance Co and the pension funds of Electricity Supply, Jones Lang Wootton, act the National Coal Board and

Unilever. The portfolio consisted of 144 properties and was part tenant for the building, 144 properties and was part which was built in the 1960s, of the property assets of and has a total of 37,500 sq. Cedar Holdings, which was fr on nine floors above an rescued by the specially entrance half on the ground formed consortium in 1975. floor, and car parking on The buyers are a group of private investors led by Mr Apart from such items as Godfrey Bradman, chairman London Mercantile Holdings.

PECU has retained the 15storey shop and office comthe property was occupied by plex in Buckingham Gate, where the main tenant is Rolls-Royce.

Healey and Baker acted for the consortium. Valuers Rentals Ltd have sold their for the buyers were Clive freehold interest in TR Lewis and Partners, and Evans also

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More Appointments on page 6

هكذامن الأحبل

gives way

to a dream

finish

By David Hands

Rugby Union

Eight weeks suspension for Ringer

England 9 Wales 8
In the dramatic climax to a contest at Twickenham on Saturday, which had been a wretched advertisement for the game of rughy. England statched the victory they had desperately yearned for thanks to the trusty boot of their foil back, Dusry Hare. Thus they remained on course for a final assault on their Everest. If they can beat a renascent Scottish side at Murrayfield four weeks hence, they will win the championship (in which they are now assured of a share), the triple crown and the grand slam.

For all the unparalleled scenes of enthusiasm under the west stand afterwards, the celebrations within the English camp thevitably were muted. The team needed no reminding that against a side reduced to 14 men for more than threequariers of the game they had scored three penalty goals to two tries. And pesterday came news that Paul Ringer, who was seen off after 15 minutes, has been suspended for eight weeks until April 12 by an international disciplinary sub-committee.

Before that decision was taken, the Welsh Union already had made England 9 y In the dramatic climex Wales 8

Before that decision was taken, the Welsh Union already had made it plain that their Hanker would not be chosen again this season. His international career looks to be finished, but let no tears be shed; he had put in a marginally late and—more vitally—dangerous tackle (with use of an elborates). tackle (with use of an elbow) on

I Horton.

There was a thoroughly nasty and abrasive start to the match and anyone going down on the ball appeared to be taking his life in his hands. It soon had the Irish referee, David Burnett, warning both captains that the next man to commit any form of maybem would get marching orders.

So Ringer became the first man to be sent off in a Twickenham laternational since the All Black, C. J. Brownlie, in 1924, and only the third in the history of the home championship.

At other times Fennick, who frequently looked to be head-hunt-

At other times Fennick, who frequently looked to be head-hunting. Wheel (with a wild, lunging foot against Uttley) and Holmes were all guilty of unacceptably violent acts, and it was difficult to escape the impression that Wales from the outset were bent un a process of sheer physical intumidation. The England dressing room looked like a casualty clearing station, because Uttley, who had to be replaced by Rafter at half-time, had 10 stitches inserted in a nose and cheek injury. Smith had three under an eye, and Scott had three under an eye, and Scott and Beaumont two each. I do not want to suggest that Encland were angelic and, indeed,

I do not want to suggest that England were angelic and, indeed, gainst such provocation they could not dare to be. Phillips, the Velsh hooker, had eight stitches round a mouth injury. But Beaumont deserves much kudos for keeping things relatively calm. The man one feels most sourt for is Utiley, who had six stitches in a temple wound in Paris only two weeks previously. He would be justified in telling his children that, if this is what rugby is all about, they would be wise to play a different game.

Nonetheless, as often happens, seven Welsh forwards lifted themselves to an even greater effort and England for a long time were fighting against the grain. Wales put the hail mue the scrummage, where Frice and Cotton confirmed each other like ruting lacs. I6 times to England's six. This was a godsend to depleted tranks and, though they were regularly slewed, with consequent

Ey Richard Streeton

was all the sadder.

Saracens 15

Gentleman is sent off for

ungentlemanly conduct

Rosslyn Park 21

An entertaining and fluent

match was marred right at the end

in injury time when the Saracens

prop forward Gentleman was sent

off for striking an opponent.

Earlier there had been two fleeting moments of petulance but over-

all it had been a came to cleanse

the spirit after the insanity and

unpleasantness at Twickenham. The closing incident, therefore,

was all the sadder.

Gentleman recled out of a ruck in front of the stand, his arm italied and Cullen, the Rosslyn Fark scrum half, was caught facross the face by Gentleman's ebow. The ball was nowhere near. Gentleman claimed afterwards it was actidental as he pulled his arm free but to those of us with the hest view of the incident, Mr Kingham clearly had no option.

Rosslyn Park won by three penalty goals and three tries against two goals and drepped goal to consolidate their second-risce standing in the London merit table. Saracens, near the bottom of

riace standing in the London meritable. Saracens, near the bottom of the table, must now look to their Middlesex. Cup semi-final game with Upper Clapton on March 2 to help them ensure a place in next season's John Player Cup.

Much of Rosslvn Park's



His battle's over: Ringer being given marching orders by referee Burnett.

pressure on Holmes, they still provided an adequate hase for Davies, unfurling his superb kicking skills, to torture the England forwards and to determine in which half most of the game should be played.

Interpover England had listing the state of the same should be played.

handling in midfield and more direct and speedier running on the wings, specially by Tiddy and Bate when the full back joined

Bate when the full back joined the line. Mongamery and John-son often stifled Croydon's

attempt to run or harrassed Sara-cens into errors. The Saracens pack were usually more effective in their work than their backs.

At half-time two penalties by Greenhough for Rosslyn Park and a dropped goal by Croydon in reply hardly reflected the openness of the game. Another penalty by Greenhough and a try by Bate extended Rosslyn Park's lead heters Sergeone were about for the form of the control of the form of the for

fore Saracens went ahead for the only time with two quick tries by Jaszczak and Hegarty. Croy-don converting both. Jaszczak fin-

SARACENS: C. Fuller F. Phimister.
Varmian. A. Harrower, G. Kert.
Crowton. G. Criffiths. R. Fasicith.
Booty, M. Gentleman. R. Hill. A.
Bactak. S. Hegarity. I. Jones. A.

Jantick S. Hegariv, I. Jones, Key Ress PARK: P. Bate: S. Tiddy, R. Steenhough N. Anderson K. Lyons: P. Warfield, D. Cullen: P. Curlis P. Keith-Roach M. Rennie, P. Ackford, S. Johnson, R. Media-nery, P. Ackford, S. Johnson, R. Media-nery, B. Chart.

missed a not too taxing conversion, as he was to do on two further occasions. Wales later were left to reflect that four different goal kickers (Fenwick, Biyth and Martin the others) produced a nil return out of seven attempts, of which five certainly were not too difficult.

Horton narrowly missed a drop shot for England—as did Davies for Wales—early in the second half but the Welsh advantage of a single point was scarcely under threat until Hare came within awhisker of a touchdown as he pursued a chipped kick from Slemen. Now, in the last quarter, the game at least moved to a memorable finish. Three times Hare had his

chance to put England ahead. One penalty hit a post another was short and sliced and then, at last, the pressures mounting, he succeeded with the third, and most difficult kick, from far out one the right.

Yet again, with about two minutes remaining, there was an instant Welsh response. The hapless Smith, following two lovely grubbers up the left touchline, had

a kick charged down by Phillips behind a ruck. The Welsh hooker picked up, swept down the right with enviable pace and, withstand-ing Hare's tackle, put in Rees for what surely was the decisive score.
England had to be thankful that
at their last gasp, in injury time,
Wales were penalised at a ruck
after Scott had won a short lineout; Smith had probed on the open side and Beaumont bad fed Woodward, scissoring into the ruck. If ever a man faced pressure, it was Hare now, wide out on the right, and very missable. The rest

right, and very missable. The rest is history.

BIGLAND: W. H. Hare 'Leocster'.

J. Carleton 'Orrell'. C. R. Woodward 'Leicester'. P. W. Dodge 'Leicester'. M. A. C. Siemen 'Liveroool'. Sale.: F. E. Cotton 'Sale.' P. J. Wheeler 'Leicester'. P. Blakeway 'Gloucester'. W. B. Beaumont 'Fride. Captain'. W. B. Beaumont 'Fride. Captain'. M. J. Colclough 'Anguideme'. A. Neary 'Broughton Park. J. P. Scon 'Cardiff'. R. W. Uritey 'Wasps'. (Replacement M. Rainer 'Bristol'.) WALES: W. R. Bight 'Swansea'. H. E. Rees 'Neath. D. S. Richards 'Swansea'. The R. Bight 'Swansea'. Cardiff'. To Homes' Cardiff'. G. Price 'Pontypool'. A. J. Philips (Cardiff'. G. Price 'Pontypool'. A. D. Wheel (Swansea'. P. Ringer 'Llanell'. E. T. Builer 'Pontypool'. J. Squire 'Pontypool'. Captain'. Referee' D. I. H. Burnet 'Israema'.

Morley fluff their lines in Player Cup rehearsal

By Tom Cooban Moriey 15

St Helens 4 Morley know that even their best friends will be surprised if they heat London Irish in the second round of the John Player Cup at Sunbury on Saturday. Their rehearsal, in which they beat St Helens, at Morley, by 15 points three tries and a drop goall to four (a try) did nothing to change this fact. Opportunity they had in plenty, but did not use it well. With a Lancashire Cup match against Fylde facing them yesterday St Helcus perhaps held themselves in reserve. Their strong backs seemed capable of better don converting both. Jazzczak finished off a move that began in
the Saracens "22" with Phimister and Harrower covering a lot
of ground: Hegarty was credited
with the score from a pushover.
Rosslyn Park, however, hit back
quickly with tries by Anderson
and Tiddy, who took advantage
of poor covering.
SARACENS: C. Fuller, F. Phimister. things, their half backs tried hard with little going their way, and not involved in defensive care. Mastery of the lineouts by Scotter and Routledge, who were often used in a two-man ploy, gave Morley a 3-1 ratio. In the gave Morley a 3-1 ratio. In the scrummages they were scarcely less successful. With so much possession, they should have scored more tries, but careless errors cost them dear.

With the three quarters waiting well back from the pack, long passes were required, which slowed the pace. When Plant, the full

back, joined in the attacks as many as five players often handled, giv-ing St Helens time to position themselves defensively. The one St Helen's try was scored by Garvey when he intercepted a pass and raced from his own half

pass and raced from his own half unopposed.

Two of Morley's tries were scored by Thompson, always a strong runner down the right wing.

O'Neill broke through tackles on the left wing to score the other after passing along the line. A drop goad by Sangster, the stand off, completed the scoring.

The Morley team themselves regarded the march as a satisfactory Cup rehearsal. On Saturday they expect to have Woodrow, the Oxford wing, in the three-quarters, and there may be one or two forward changes.

Club and Cup matches—certainly in Morley's case—are never the same. The tradition inherent in their 102 year's history has played an important part in their winning of the Yorkshire Cup five times in eight seasons.

MORLEY: K. Plant: D. Thompson Holbery A. Mason. P. O'Neill: M.

in eight seasons.

MORLEY: K. Plant: D. Thompsen
J. Holbert A. Mason, P. O'Neili: M.
Sangsler, H. Jarzyna: D. Ashton 'captane, P. Lazonby, P. Woodnead, A.
Scotteren, F. Roentedge, J. Peat, J.
Appleyand, C. Olles
G. T. HBLENS: M. Betton, G. Garrey,
G. Steaton, I. Middle, P. Sorter, R.
Bornard, I. M. Middle, P. Potter, R.
Parkurson, I captains: P. Bughas, S.
McNuity, P. Girling, W. Hill, J.
Referee: M. Little (Yorksbire)
Society:

Olympic Games **Nightmare**

Mrs Moser puts doubts at rest and fills gap on her sideboard

From John Hennessy Lake Placid, Feb 17 From John Hennessy
Lake Placid, Feb 17

Annemarie Moser (Austria) put all doubts at rest today by winning the Olympic women's downhill race. Even the doubting Thomases must now, surely, concede that sha is the best woman skier in the history of the sport. Her sideboard at Kleinari is crowded with trophies but until now there had been one significant omission. an Olympic gold medal. Today she filled the gap and in a manner totally to establish her supremacy. Marie-Theres Nadig (Switzerland), her tormenter at Sapporo in 1972 and for most of this season, could not march her archrival this time and the versatile Hanny Wenzel (Liechtenstein) squeezed between the two to take the silver medal. Eight years ago at Sapporo, Miss Nadig and Mrs Moser, then Miss Proll were respectively first and second in both downhill and slalom. Mrs Moser did not compete at Innsbruck in 1976.

One glance at Mrs Moser's face in the starting box was enough to show that whatever other people might have thought she knew that this was her day. Facing an ordeal that most skiers would find petrifying on a bard fast course, she was all smiles and as relaxed as though this were one of the preliminary training runs. Little more than an interlude between one cigarette and another (almost uniquely she is a smoker).

Her form from the start was interested.

By David Hands
Scottand 22
France 14
What can you say about Andrew
Robertson Irvine. Twelve minutes
to go of Scottand's International
champlouship game with France
at Murrayfield on Saturday, his
side trailing by 10 points, a nightmare place-kicking performance
behind him and Irvine suddenly
weighs in with two tries, a touchline conversion and two penalty
goals, lifting Scotland to a win by
two goals, a try and two penalty
goals to two tries, a penalty goal
and a dropped goal.

It was an astounding volte face
and it broke Scotland's unhappy
sequence of 13 championship
matches without a win. The early
omens had not been in their
favour: on a misty, moist Edinburgh afternoon every member of
the back row required attention.
The captain, Bigger, had to leave
the field briefly and the booker,
Deams, permanently with rib damage, giving Lawrle of Gala, the
chance of a first cap. By the afternoon's end the sun was shining,
the clouds had lifted and Scotsmen
who had been booing Irvine's kicking at goal, now acclaimed him
the hero.

Tids, however, was not one
man's effort. Whenever the Scots

who had been booing Irvine's kicking at goal, now acclaimed him the hero.

This, however, was not one man's effort. Whenever the Scots took the initiative and ran the hall, they looked dangerous; when they adopted what one presumes was their main match gambit of Garryowens, they looked laboured and lacking ideas. The Scottish pack worked much better as a unit about the field, reversing what might be considered the natural order of things. The French exerted pressure at scrummage and lineout but looked slow to the loose ball, Rives and Joinel excepted. Nevertheless there was one period when the French could have made the game safe.

Fifteen minutes into the second half they led 14—4 and were beginning to open out. The game was gently slipping away from Scotland but the French, who relied a great deal on the physical presence of Joinel, could not apply the killing thrust.

Penalties disrupted the rhythm of the French attacks, not that Scotland ever looked likely to take advantage. Irvine missed six penalty attempts, including one sitting duck 11 metres out and in front of the posts. He was kicking badly, too, and Renwick had no better fortune with a seventh attempt.

A penalty from Gabernet 43

better fortune with a seventh attempt.

A penalty from Gabernet 43 metres out rubbed salt into Scottish wounds and helped give France a 7—4 interval lead. Gallion pounced for the first try when Bustaffa cut inside. linked with his forwards and the hall went loose on the Scottish line. Rutherford levelled when Gray won a lineout. Renwick hoisted a high kick and Bustaffa dropped it. The Scotts won the ruck and

The Scots won the ruck and Rutherford dashed over on the short wide. Two minutes into the second Two minutes into the second half Gabernet added the polish to a fine all round game by fielding a high ball, breaking past the Scottish pursuit and swapping passes with Averous on a 70-metre hurst which brought the full back the try. Caussade dropped the goal from a wheeled French scrum and France, if not the "Magnifique spectacle" of which their radio commentator enthused, were at least on their thused, were at least on their

way.

Then came Irving. With 12 minutes left the Scottish backs ran from their own half, Irvine, Johnston (whose support work was always useful) and Hay interpassed and though a French hand have the half to ground 10 metres put the ball to ground 10 metres out Irvine snarched it up for a try in a corner. His conversion, a splendid kick which emphasized the poverty of what had gone before, put Scotland back in business. With five minutes left Gabernet was caught in posses-sion. Scotland played the ball back to the middle of the field, Renwick and Johnston joined in and there was Irving going over near the posts. Renwick's conver-sion giving Scotland the lead. sion giving Scotland the lead.

If that were not enough, Irvine banged over two fine penalties to put the match beyond doubt. Bring on the Welsh, they were saying at the end: that may be premature, especially at Cardiff, but at least morale will be higher. And what price a French whitewach

And what price a French white-wash.

SCOTLAND: A. R. Irvine (Heriot's FP); S. Munro (Agr), J. M. Renwick (Hawick), D. I. Johnston (Walsonams), R. H. Hay (Euroughnum; J. Hariot's R. H. Hay (Euroughnum; J. Hariot's R. H. Hay (Euroughnum; J. Hariot's R. H. Hay (Hariot's FP), A. J. Tones (Hawick), Gais, J. O. Milne (Heriot's FP), A. J. Tones (Hawick), D. Gray (West of Scotland), M. A. Biegar (London Scotlish, capiain), J. R. Begittis (Glasgow Academicals), A. K. Brewster (Stewart's Maiville FP). FP. A. SETWEET (Stewart's Melville FP. FRANCE: S. Gabernet (Toulouse): D. Bustaffs (Carcassonne). R. Bertraune (Bagnerés). D. Codermou (Narsonne). J.-L. Averous (La Voute): A. Caussade (Lourdes), J. Gallion (Toloun): A. Vaquerin (Baziers). P. Dintrans (Tarbas). R. Paparemborde (Pau). F. Haget (Birritz'). J.-P. Rives (Tolouse. captain. Clemente (Oloron. J.-L. 15. 2016).



point in 1 min 5.61 secs, giving her a prodigious lead of nearly three seconds over those who had gone before. We had to bear in mind, though that Miss Nadig was not among them, so it was too early to take anything for granted. Mrs Moser maintained her form to the finish and broke the beam in 1 min 37.52 sec.

1 min 37.52 secs.

Miss Nadig was three places behind and showed nothing like Mrs Moser's coursol at the top. An intermediate time of 1 min 6.96 secs ended her hopes. She was strong enough in the straight running to pull back half a second, which was as much as her well-wishers could have hoped.

Miss Warrel not so much a

and another (almost uniquely she is a smoker).
Her form from the start was impeccable. Some argue, the Canadians in particular, that it is impossible to win a downhill without, as they say, going for broke, without skiing so close to the edge of control as occasionally to be beyond it. There was no suspicion of that from Mrs Moser. Where others had flapping wandering skis at that top technical section she was beautifully in control. She reached the intermediate

hillers, she is no fool on a slalom course.

There is a row brewing in the German camp because of their peor showing. Marianne Zechmeister, in minth place, was the odly one in the top 15. The skis were held to be responsible, which illustrates the importance of the rechnician at this level. Caroline Attla, the French hope, suffered the same sad misfortune that struck her down at Val d'Isere in the first race of the world cup season.

As then, she dislocated her shoulder pushing off at the start but unlike then she stopped imme diately. See had bravely, some diately. See had bravely, some say foundally, run the Val d'Isere course with this crusting handicap; this time she felt that she ought not to tempt providence twice.

twice.

So the battle between the big two (saving Miss Wenzel's presence) was resolved. That between the little two, from Britain, was decided in Moira Cargill's favour. She finished twenty-fourth in Imm 42.82sec—0.46 of a second at one place in from of Valendna Hiffe. Kirstin Cairus, who has been suffering from headaches and dizzspells for several days did not start.

It was undistinguished stuff but

wishers could have hoped.

Miss Wensel, not so much a skiller in all disciplines, reached the intermediate position in 16-37 but her straight running (she is a former world slahom champion) can pose no challenge to Mrs Moser. If she was to win today she would have to do the winning from the start, but Mrs Moser gave her no opening. This was, nevertheless, a promising result for Mrs Wenzel, who has it in her to "do a Mittermaier at Innshruck four years ago, she is capable of winning a silver (le the downhill) and two olds. But it would be surprising It was undistinguished stuff but at least the British more or less looked the part, unlike a Lebanese who followed soon afterwards. Only just in time was she remnded to adjust her goggles at the start, and her snowplough, sideslipping and adsence of racing crouch provided some light relief. But Baron de Conbertin, the founder of the modern games would have drawn some satisfaction. Like him she no doubt felt that competing was more important than winning, And I daresay she enjoyed herself.

Italian lapse lets in 20 rivals

Lake Placid, Feb 17

East Germany, surprisingly, picked up only one Olympic gold medal at Mount van Hoevennerg yesterday when both luge, titles seemed to be theirs for the taking, together with the two-man bob. But they had to settle for Berne hard Glass's fortuitous victory in the luge.

hard Glass's fortuitous victory in the luge.

The British competitors, generally speaking, failed to fulfil their team managers' hopes, but amply answered the expectation of the British press, cynical lot that we are. Jonathan Woodall and John Howell were an exception, since their 10th place in the bob was all that could have been hoped for. Roger Potter and Michael Pugh were 17th.

The best Briton in the luge was Jeremy Palmer-Tomkinson, competing in his fourth Wimer Olympics and his third in the luge (his first was as an Alpine skier). He was 15th, one place ahead of Neil Townshend and seven ahead of Derek Prentice. Avril Walker dropped out during the third run of the women's event and Joanna Weaver was last of the 72 who finished. event and Joanna Weaver was last of the 23 who finished.

of the 23 who finished.

The crowded hillside, in a carmival atmosphere on this holiday weekend, had nothing but admiration for the silky skil of the women in particular, gliding so stealthily past that a moment's lack of concentration risked missing the throbbing action.

Miss Heiden lives in her brother's golden shadow

Lake Placid, Feb 17

The United States and the Soviet Union, whose fortunes are almost inseparable in the Winter Olympics, shared the honours on the speed skating rink here this weekend with a gold and a silver medal apiece. All the drama was crammed into yesterday's men's 5,000 metres when Eric Heiden won his second title in a crescendo of mounting excitement, John Hennessy writes.

Today's women's 1,000 metres, as is often the case in speed skating, was over almost before it had begun. Natalia Petruseva, of the Soviet Union, was drawn against Leah Mueller, of the United States, in the second pair and these two were to decide the gold and silver medals among them-selves.

Miss Petruseva stamped authority on the race during the first full lap and was nearly a third of a second ahead when the last began. With the advantage of the inside final bend, and ber opponent therefore, in her sights, she strode awa vio win by a band-some materin of 1.31 seconds—by these standards, something of a walkover.

East Germany, winners of the East Germany, withers of the first women's event through Karin Enke, this time had to settle for Sylvia Albrecht's third place. The crowd spurred on Beth Heiden but she is living to some extent in the reflected golden glory of her brother and she finished fifth behind Mis Enke.

Mrs Maeler, striking off strongly from the start with that inelegant scramble that speed skaters are forced to employ, stoke an early lead of three hundredths of a second overt hefi rst 200 metres: Clad, like most Americans, in gold, she had a distinct chance of improving on her silver in the 500 metres. Her opponent is the world overall champion, so it was unlikely that anyone would come unlikely that anyone would come later to challenge her. The men's race over 5,000

metres yesterday might have been stage managed for the benefit of an American audience. Running an American audience. Running late is the race for one so distinguished. Heiden was at one point four seconds behind Tom Oxholm, of Norway. As lap then succeeded pulsating lap, he began to draw level, and the successive announcements of his approach to Oxholm's time drew growing applause. Finally he went ahead and had three and a half seconds to spare, so powerful was his driving finish, so dedicated had been his training.

Another Norwegian, Kr. Stepsh-

Another Norwegian, Kei Stepsh-jemmer, arrived late in the pro-ceedings to offer a fright. He was only a hundredth of a second he-hind Heiden with 400 merres to go but he, too, lacked Heiden's stamina, a common handicap for all the American's challengers. stantina, a common handicap for all the American's challengers. Having won the 500 and 5,000 metres. Heiden is clearly capable of winning the intermediate dis-tances. The 10,000 metres is to be held last of all. If all goes well, it should be a momentous occasion.

behind Mis Erike. In the women it should be a momentous occasion, it should be a momentous occasion. The hard luck story belonged to Palmer-Tomdinson, whose wire seering rope broke during the second run. Judging by his three other times he would probably have finished 11th had all been well. Townshend had what Martin Colvill, the British team manager, called a "slight accident" on the first run. By that cool understatement he meant that Townshend "had been unshipped in the spine-chilling passage of curves apily known as the Labyrinth. He had been able to finish the course, but, according to Mr Colvill, he must have lost nearly two seconds. Again, an average first run would have put him about 11th. The two women were Coubertin candidates. Miss Walker, too, was a "bad accident" on the third run ended her first Olympic experience. Miss Weaver, in only her second season, did better, but, oversteering coming out of curve 13, she came off her toboggan at the last bend. It will be seen that, except in Miss Walker's case, there was the problem familiar to golfers, of stringing four good performances together in one competition.

Wassberg wins gold by tiny margin going for a golden double after winning the 30-kilometre race, was fourth. Evgeny Beitaev, another Russian, who was second in Innsbruck, was fifth, followed by Poland's Jozef Luszczek, the current world champion.

Lake Placid, Feb 17.—The Swedish champion, Thomas Wassberg, pipped Juha Mieto, of Finland, by one hundreth of a second today to take the 15-kilometre gold medal by the narrowest margin in the history of cross-country ski racing.

Wassberg, his beard white with ice in bitter cold down to 18 degrees (centigrade) below zero, finished the race over the wooded to a minimum of the finish the race over the wooded.

ski racing.

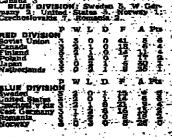
Wassberg, his beard white with ice in bitter cold down to 18 degrees (Centigrade) below zero, finished the race over the wooded Mount van Hoevenberg course in 41 minutes 57.63 seconds. Mieto had come in a few minutes earlier with a time of 41 minutes 57.64 seconds and was already savouring victory.

Wassberg, aged 23, started last

Ove Annii, Norway, was third, some 31 seconds farmer back. The clean sweep of the medals by the Scandanavians broke a Russian stranglehold in the nordic events. The Soviet team had won all three nordic gold medals. Russia's hero, Nikolai Zimyatov, who was

Lake Placid Bobsleigh

Ice hockey





The closest winning margin until today was thirty-one hundreths of a second, Wassberg ended up an the winning side of that too, when he beat Braa, of Norway, last year in the World Cup event in Oslo.—Renter.



Rugby League

Make room for some more silver in Widnes cabinet

By Keith Macklin

Syd Hynes, the Leeds coach, may well say of his team, as the Duke of Wellington said of his army, that he does not know what they will do to the enemy but they certainly frighten him. Hynes's reasons will be different to the rampantly proud sentiments of the iron Duke. After seeing his former championship favourites beaten away from home for the fifth successive time in a league game, and by the thumping margin of 31-18. Hynes will have considerable qualms about prospects for Leeds in both League and next week's Cup to at Warrington.

League and next week's Cup the at Warrington.

There is a saving that when Leeds are playing badly in the League, heware of them in the Cup. When it was put to Hynes that his team were saving themselves for the hig one at Wembley, he frowned and said: "Not deliberately, I can assure you."

Widnes, meanwhile, are warming up well once again and lookdeliberately, I can assure you."
Widnes, meanwhile, are warming up well once again and looking good to collar yet another piece of ornamented silver for the well-stocked boardroom cabinet. Inspired by two brilliant tries by their international winger. Stuart Wright, who has had a quiet season hitherto, they were always in front. in front.
They led 31—10 at one stage and gave Leeds their biggest run-around of the season. Adams, a fine loose forward, Hughes, Shaw

and Moran scored other tries. Burke kicked six goals and Myler

showed reserves of brilliance in fits and starts, Sanderson, Dyl. Hetherington and Smith scored tries and Oulton kicked three goals.

tries and Oulton kicked three goals.

Maintaining their powerful challenge for the first division title are Bradford Northern, who won a tough game at Leigh, Northern led 9—3 at half-time but Leigh fought back in the second half and Bradford had to show great defensive power and resilience to keep Leigh down to one try from Taylor. Donlan scored in the first half for Leigh and Yates kicked a gnal. Bradford's tries came from Stepenson and Forsyth with two goals from Ferres and a drop goal from Redfearn.

Hull kingston Rovers recovered from the midweck defeat by Widnes to run away from Warrington's challenge at Wilderspool. Warrington held Rovers to 10—11 carly in the second half but, disorganized with injuries to Bevan and Hesford, they allowed Rovers a total of six tries through Hartley (two). Sullivan. Lockwood, Lowe and Hubbard, who also kicked four goals. In the second division, Featherstone Rovers and Halifax had comfortable away wins to keep on course for promotion.

FIRST Division: Casaleford 22, veryington all Hull 12, Saltord 22, veryington all Hull 13, Saltord 22, veryington all Hull 14, Saltord 22, veryington all Hull

keep on course for promotion.

FIRST OVYSION: Casteford 22.
Workington 11: Hull 16: Saford 21:
Leigh R. Bradford Vorthern 11: St.
Hetens 43: Hunslei 11: Warrington 10:
Hull KR 25: Wigns 16: Washeled
Tringer 25: Wigns 17: Leeds 16: York
35: Blackpool Forough 2:

SECOND DIVISION: Bramler 0.
Haitian 25: Parket 0.
Haitian 25: Parket 0.
Haitian 25: Whitchaven 10: Huddersleid 12: Whitchaven 10.
Huddersleid 12: Whitchaven 10.

Table tennis

Seeded players find life tough at top

Desmond Douglas was the only player seeded No 1 to win his event in the English championevent in the English Champton-ships, sponsored by Norwich Union, at Woking. Douglas won the men's singles for the third time—but even he came closer to defeat than had been expected, Paul Day taking him to five games. Douglas may have had other things on his mind. He must soon decide whether to sign a new three-year contract to continue playing in Germany or give way to English pressure and lucrative financial inducements and stay in

this country.

Carole Knight won the women's Carole Knight won the women's singles for the second time and again confirmed her ability to beat the European No 1. Jill Hammersley. Although Mrs Hammersley can beat everyhody else in Europe, she has won only once against Miss Knight in more than half a dozen meetings over the past three years. Mrs Hammersley lost the chance to set an all-time record of seven wins in the event and the opportunity will occur no more if she stands by her intention to retire at the end of this season. Season.

RESULTS: Mon's unbles D. Dauglas ware/ckshure; beat P. Day 'Cambridgeshire'. 21-9. 15-21 21-8. 16-21 21-8. 16-21 21-8. 16-21 21-14. Women's singles Mass. C. Kugh: (Clevcland: beat Mrs.). Hammoriesy 'Buckinghamshire'. 21-15. 20-22. 21-18. 2-21 21-21. Men's doubles' N. Jarris 'Clevtland: and the Company of the Co

Wakeley emerges from his confusion for notable win By Our Rackets Correspondent

William Boone, the holder and recent winner of the United States and Canadian Open titles, John Prenn and Howard Angus, are three champions competing in the British Open racket championship which began at Eton yesterday. Angus, the only one engaged, played well enough to beat Roger Crosby, the Harrow professional, by 15—5, 16—13, 15—11, but will need to be sharper and in a sterner mort if he is to carry the fight to ins two leading rivals. One of the most improved players of the season is Randall Crawley, seeded No 4. He gave little to Paul Nicholls, the under-24 champion, while winning hy 15-9, 15-2, 15-8, Technically, Crawley was in a higher class. Not the least difference between them was that Crawley moved into the hall and struck it low, whereas Nicholls tended to retreat and put a host of backhands below the a host of backhards below the board.

Robert Wakeley, a left-hander, and assistant professional at Mari-horough, made a notable recovery to beat Christopher Hull, the Ton-bridge professional, by 15—7, 2—15, 16—13, 15—5, Hull, who never hurries but usually manages to be in the right place, led 12—4 in the third game and looked set to win. He had, for instance, found a service length into the right hand court that so flum-

moxed Wakeley that he did not return one for a game and a half. Gradually, Wakeley worked his way back into the game, 8—2, 9—13, 11—13 and, after a fine rally. 13—13. Hull's play had not altered much but Wakeley had at last grasped his service and was again atracking the ball.

David Jenkins beat an old campaigner, from Pugh. much slower than he was before injuring a calf muscle before Christmas, by 15—13, 15—1, 15—11. In the third game Jenkins became over-indulgent, feeding his opponent rather than beating him as rapidly as possible. It is not the way to play a match and sometimes can prove disastrous.

RESULTS: First round:** P. G. Seathoods hear p. Servey.** 15—2, 15—2, 15—11. Therefouse.** Shout M. Evans.** 15—3, 15—15. Numbin Bar.** 15—11. Therefouse.** Shout M. Evans.** 15—3, 15—15. Numbin Bar.** 15—11. Therefouse.** Shout M. Evans.** 15—11. Shout Harrow.** 13—20. 15—15. 15—15. Numbin Bar.** 15—2; R. A. Crawiny: beat D. Y. Smithood (winchester) beat D. T. C. Jenkins beat D. S. Shout Harrow.** 13—20. 15—15. R Crosby (Harrow) 15—5. 16—15.
Haileybury, represented by the brothers, Robin and William Hollington, and Michael Gradon, became the first team to break the grip on the Henry Leaf Reel Teonis Cup by Eton, Harrow, Winchester and Rugby at Queen's Club, yesterday. They beat Rugby 3—0 to reach the semi-final round:

RESULTE: Quarter-final round:

RESULTE: Quarter-final round: Winchester beat Rugby H. 3—0: Hailey-hury beat Rugby I. 3—0: Hailey-hury beat Rugby I. 3—0: Hailey-hury beat Rugby I. 3—0: Etan beat Chilton 2—1; Martew level with Malvern 1—1.

Luge.

MEN: Individual: 1. B. Giass E. Garmany: 2min 54,80sec 2. P. Filinger and Common Commo

Watford win not all in the mind for Wolves

By Philip Webster Wolverbampton 9

Watford 3 Reasons behind the unexpected demise of Wolverhampton Wanderers in the FA Cup fifth round on Saturday are as likely to emerge from the psychiatric's textbooks as an analysis of the game. How a side in reasonably good form, having just secured a win at Old Trafford and'a place in the League Cup Final, could perform so haplessly, presumably had as much to do with their state of mind as anything else.

Even before they were reduced

Even before they were reduced Even before they were reduced in tragic circumstances, to 10 men midway through the second half Wolves had all but succumbed. John Barnwell, their manager, admitted afterwards that he began to get worried over their leg weariness and lack of sharpness after five minutes and after 20 would have settled for a replay. I had heen telling them all week to forget about Wembley and concentrate on Watford, but that is not as easy as it sounds. We were as easy as it sounds. We were beaten mentally as much as physic-ally ", he said.

To pinpoint anti-climax as the snle cause of the defeat, however, would be to undermine the merit, and quality of. Watford's assault and the directness of their approach. They proved that ling ball from defence to attack, bypassing midfield, will never be redundant to long as there are redundant so long as there are front runners of the pace of Jenkins, Poskett and Blissett to



Two for the road to Wembley: Blissett (left) and Poskett celebrate Watford's victory.

take advantage of central defenton's were on this occasion. From such an opportunity Poskett made a horrible miss just before half time when he moved on to a ball lofted over Hughes and Berry, nearly sidestepped Kearns and fired wide of the in-viting target.

Wolves' only notable first half strike was an overhead from Gray, well kept out by Steele. Their midfield, with Hibbitt chylously not recovered from his midweek injury, and Carr unable to pass to his own men, were routed. Any crumbs sent in the direction

of Gray and Richards were swal-lowed by Bolton and Sims.

As the pattern continued, Mr Barnwell, in the 64th minute, took off Hibbitt and sent on McAlle.

"to ginger the rest up". There followed 34 tateful seconds in the

moved in with all guns ablaze.

Poskett, after 72 minutes, redeemed himself by hooking a mild shot over Kearns which Palmer, apparently anchored to the line, could only help in Büsset set up Poskett for the second and in injury time Berry, epitomising the followed 34 fateful seconds in the life of the unfortunate substitute. That was how long had elapsed before he went in hard to win a challenge on Sims. The crowd roared its approbation of this welcome sign of grit, but McAlle lay stricken, his left leg broken.

What had looked improbable for the many was now martainable. jury time Berry, epitomising the lethargic malaise in which his side had been trapped, played a ludicrous ball across his area which Blissert delightedly thumped home. 11 men was now unattainable. Wolverbampton died in the last 20 minutes and Watford, having stalked their prey for 80 long.

'Supersub' presses for more permanent place

By Clive White

While Warford hug the bulk of the glory from Saturday's FA Cup fifth round, spare a thought for poor Bury. After Liverpool were frustrated for the umpteenth time by Nottingham Forest last was garnerally accounted that some by Nottingham Forest last week it was generally accepted that somebody would be made to pay. Bury, bottom of the third division, playing innocently in the Anfield lair, sounded like ideal victims; if not something they pass laws against. But after 64 minutes of stubborn nine-man defence Bury were still all square and it took an urgent call to "Supersub"—David Fairclough—to rescue the champions with two goals, the second nine minutes from time.

Fairclough must be woudering

Fairclough must be woudering what he has to do to earn a more permanent place in the Liverpool team. This was his sixth goal in three games (two games as substitute). He knows that if Johnstitute). son recovers—he went to hospital yesterday for a precautionary X-ray peramination on a neck injury—he will be back on the substitute's bench. He still seems happy, though. "This past week has been the best of my life", he though. been th said.

said.

It could be that much richer if he plays tomorrow night when Liverpool get an early chance to unleash their footballing fury on more appropriate opposition—Nothingham Forest in a league match at Anfield. And Bury's future? Their manager said last week he would rather stave off relegation than beat Liverpool in the Cup. Well, he has his first wish. As for the second, Bury are now four points beneath the safety line.

While the cat was away the

mice played timidly in the first division with all fire matches ending in draws. Manchester United missed a fine opportunity to pull abreast with Liverpool when struggling to a 1—I draw at Stoke. Coppell scored United's equalizer six minutes from time. Liverpool now have two games in hand. United seem to have lost all thythm since the foot injury to wilkins.

Keegan. Southempton's later.

Tennis

Keegan, Southampton's latest and greatest signing, though still in Germany, was obviously with the team in spirit as they fought back twice to force a 2—2 draw at Derby. However, if their challenge is to wear awarting this lenge is to mean anything this season they will have needed something better.

Nottingham Forest trudged on in the League with a 2-2 home-draw with Middlesbrough that would have caused a sensation not so long ago. Robertson again found himself in that favourite found himself in that favourite spot 12 yards out to score; O'Neill got a second and Burns, of Middlesbrough, bagged two, all in a 10-minute spell. Manchester. City's home point against Leeds was the only thing worth shouting about in the first division. Curtis, the Leeds striker, who injured his knee in a collision with Shilton, the Forest goalkeeper, back in Jamary will be out for the rest of the season.

The second division was more

of the season.

The second division was more entiralling with Luton Fown going back to the top thanks to three goals by Moss and a home draw by Chelsea. With only one point covering the top four, and four points covering the top seven the musical chairs could last until May.



Form horses worth putting your Wembley shirt on

By Clive White
Tottenham H 3, Birmingham C 1
If, like most punters, you respect a good omen then make
Tottenham Hotspir your bet in the
FA Cup. On the last two occasions,
in 1962 and 1967, when they played
Birmingham City in this competition Spurs went on to triumph at
Wembley. And on Saturday they
did not even need a replay as Wembley. And on Saturday they did not even need a replay as before; in fact, come to think of it, they did not even need a second half, having inflicted the knock-out punch—goal No.' 3—two minutes before half time.

Tottenham are the Red Rum of the football world. They know their way over this Wembley course and their form, at the moment, is good, never mind their ridiculously low fourteenth position in the first

low fourteenth position in the first division. That is, perhaps, why so many people gave Birmingham, one of the second division's front conners, a healthy chance at White tlart Lane on Saturday.

Hart Lane on Saturday.

We were told to expect some freworks from the most famous of their number, Gemmill, who had come in search of about the only piece of glory which eludes him—an FA Cup winners' medal. The little man was a damp squib. As Jim Smith, his manager, said, he chose Saturday to have his worst game of the season.

Of course, the Scottish captain was confronted by probably the most fluent' yet stordy midfield force in the country. The Welsh Laptain, Yorath, saw the challenge, perhaps, on a wider scale and despite his broken toe was determined not to give ground. determined not to give ground. Gemuill was hemmed in on all horders: by Argentina's Ardiles and Villa and England's Hoddle,

from South America stirred nightmares from deep within him.

Yet none of these boundaries
had been established when Spurs
went ahead after 11 minutes. A
mistake by Todd, of all people,
let Hoddle in for a cross which
Armstrong and Falco raced to
meet like two runaway horses.
Armstrong was first by a head.
Birmingham's hopes were still
alive as long as Ainscow kept
buzzing down the right wing and
crossing dangerously close to
Daines's near post. And, also, as
long as Daines remained vulnerable to the hanging ball which
he did until the 27th minute when
Bertschin touched home Worthington's looped header.

But the death wish was with

But the death wish was with Birmingham. Broadhurst kindly handed the reins back to Spurs by named the reins back to Spurs by grabbing Ardiles on the outskirts of the penalty area and when ken Walmsley, the referee, paid no attention he fouled him again. From the penalty, Hoddle sent Wealands, the goalkeeper, not so much diving the wrong way as running, so totally beaten was he. The third goal sew as unlikely running, so totally beaten was he. The third goal saw an unlikely exchange of roles as the heavy Armstrong delicately glanced the ball straight back into the path of Hoddle, who dispensing with all fancy thoughts, crashed it violently past the goalkeeper from fully 25 yards:

C. Hughton, P. Muller, T. Yorath, D. Hoddler, W. M. Falco, G. Armstrong, G. Hoddle, M. Falco, G. Armstrong, G. Hoddle, N. Villa Isub, J. Pratti.

BIRMINGHAM CITY: J. Wealands: R. Villa Isub, J. Pratti. Wealands: M. Dennis, A. Curbishley, J. Gallagher, C. Todd, A. Anssow, F. Worthington, K. Bergerhin, A. Cerpith, A.

Little fish slip the hook in the very act of gaffing

A mere 55 seconds of play remained when Blackburn Rovers equalized or, more accurately, Aston Villa did for them something they had seldom promised to do for themselves. Thus slipping the hook as Villa were in the very set of selfing them the Law selver. the hook as Villa were in the very act of gaffing them, the Lancashire club were uplifted enough to insist they had earnt a second chance, and if effort in itself deserves reward, then there is substance in the argument. The Midlanders clearly had a deeper vein of ability, however, which is no more than one expects of a first division side up against opponents from the third. Villa shepherded the match

Villa shepherded the match along, taking no risks, always in control, and appearing to have a bif in reserve. Their passes were more consistently accurate than Blackburn's and if parts of the pitch did not encourage subtle touches, Villa had in Mortimore and Geddis men who had the know-how and the staying power to make their imprint even where the going, was softest. I McNaught and Evans, meanwhile, usually had no great difficulty holding Blackburn's attack at arm's length so that Rimmer was scartely tested. that Rimmer was scarcely tested. Nor, for that matter; did his opposite number, Arpold, have a great deal of note to do, but in his case, it was more a matter of Villa making poor dist of their opportunities once they had created them. Geddis, who scored

By Tom German' Villa's goal, might well have had Biackburn Rovers 1 Aston Villa 1 another three; he swept one exanother three; he swept one excellent chance against the underside of the bar, and twice headed without power when unmarked, and directly in front of goal—once his timing was so awry the ball plopped from his head like a beach ball which has suddenly expelled its air. Geddis's goal, four minutes before half time, was splendidly taken, however, tucked away without hesitation as McNaught's long free kick was glanced on as both Donovan and Fazackeriey jumped together to reach it.

Still, Blackburn kept at it, driving themselves increasingly hard as the minutes ticked away. Kendall skimmed the bar, Brotherston much busier now, had a couple of shots comfortably held and a stay of execution seemed pretty remote. Then, with dramatic surprise, it came. Brotherston won a corner, took it himself on the left, and as Evans jumped from a cluster of claret and blue shirts by the near post without a Blackburn challenger within reach, the ball skimmed off the top of his head, and into his own net. Of such stuff are cup ties made.

ELACKBURN ROVERS: J. Arnold;
J. Branagan, M. Rathbone: H. Kondall,
C. Keeley, D. Fazarkerley, N. Brotherston, A. Crawford, S. Garner, D. McKendor, D. Prince.
J. Rimmer: K.
Swain, C. Gilbson: A. Evans, K. McNagoht, D. Mortimer: D. Bremner, R.
Little, T. Donovan, G. Cowens, D.
Geddis, Referee: R. S. Lawis (Great Bookham).

Oakes helps Chester branch out

By Gerry Farrison
Inswich Town 2 Chester 1
Chester's player-manager, Alan Oakes, picked our lpswich as his likely FA Cup winners back in January. On Saturday the enterprise and organization of his shird division team came close to destroying his own predictions.
Although there was an obvious quality gap between the two sides in control and physical strength particularly, Ipswich took a long time to show it and never fully exploited their advantages.
Chester started nimbly and confidently. In the eighth minute Cottam lobbed a hopeful ball forward and Jones darted between a posse of giant defenders to head in. For ten minutes the home side,

forward and Joues darted between a posse of glant defenders to head in. For ten minutes the home side, reshaped up from because of Mariner's suspension, were in no position to do much about this uppercut to the heart as Woods on the wing was finding it difficult to get into the game and Gates, as well as Brazil, were finding it impossible to establish any foothold in Millington's penalty area.

Fortunately, Ipswich are much more sophisticated than their supporters these days. While the crowd bayed for swift reprisals, the players remained patient. Gradually the tempo of their play was raised, with Muhren, and Thijssen in charge. Burley headed the equalizer from Thijssen's cross in the forty-first minute; Warkput them ahead three minutes later after Burley and Thijssen had prized open the Chester defence. had prized open the Chester defence. The second half was much less

passionate. Howat had two half-chances to earn Chester a replay; Gates had two opportunities to end the contest; but it raced on in some doubt till the end.

Chester are slowly building a football club to match the appeal of the city itself. Oakes, with over 800 first team appearances behind him, has imparted his enthusiasm and some of his knowledge to the players around him. Rush, aged 18, is understandably being pursued by representatives of first and second division clubs waving large cheques.

large cheques.

Ipswich have played better in their current sequence of 13 games without defeat. But with their appente for success at home and

appetite for success at home and away, they remain one of the teams to avoid in today's sixth-round draw.

Burlet M. Mills. F. Thijssen. R. Osman. E. Cares. Brazil G. Wrods. Muchael E. Cares. Milliant D. Deffries. J. Walker. T. Siorloop D. Deffries. J. Walker. T. Siorloop D. Jeffries. D. Walker. T. Siorloop D. Jeffries. R. Phillips, J. Hwatt. Referes: B. Daniels (Brentwood).

Heartbreak hotel for Hibernian

George Best and Hibernian have parted company. Tom Hart, the club chairman, said yesterday after his team had beaten Ayr United 2—0 without the wayward Irishman. "The marriage between Hibs and Best is over. The divorce took place at lunchtime today. Best is available for transfer to any club in the United Kingdom, Best, who has received £2,000 from Mr Hart for each of the nine games he has played for the club, trained at Easter Road all week and was fit for yesterday's match. Mr Hart said he was unable to rouse the player from his horel bed.

Third division

Fifth win in BP Cup for Britain's women

From a Special Correspondent
Hanburg, Feb 17
For the fifth time the British
women have won the BP cup—the
world's under-21 team championships on indoor courts—and the
Swedish men have achieved a first
win after losing in last year's
final to the Americans. In Hamburg's spatious and confortable
Absterious Sporthalle deer the burg's spatious and comfortable Alsterdorf Sporthalle over the weekend, Joanna Durie of Bristol and Deborah Jevans of Seaford, both 19, each won twike against the Americans, Alycia Moulton (who is 19 tomorrow) and Amia Maria Fernandez, also 19, to recapture the frophy they had lost to the Americans in 1978. The final score became 4—1 when Miss Durie and Denise Taylor were beaten 6—3, 6—3, by Miss Moulton and Kathrine Keil in the concluding doubles.

after a nervy victory from match-point down by Miss Durie against Miss Fernandez 6—3, 2—6, 10—8, Miss Jevans set about her task with a confidence born of the knowledge that she had yet to lose a set.

In beating Miss Fernandez 6—0, 6—2 in a bare 47 minutes the former British junior champion exposed the American's inability to sustain a rally and was always factically in command. Mass Durie too improved on Saturday's form in defeating, Miss Moulton 7—5, 6—3.

Maria Fernandez, also 19; to recapture the trophy they had lost to the Americans in 1978. The final score became 4—1 when Miss Durie and Denise Taylor were beaten 6—3, 6—3, by Miss Moulton and Kathrine Keil in the chiciuding deubles.

The British boys, Jeremy Dier, Kevin Harris and Keith Gilbert, were less successful. Having lost 1-2 to the Swedes during the round robin section of the competition on Thursday (with Harris playing the second single then) Dier and Gilbert, were outprayed again in the final by younger and more talented players.

Anders Jaryd, ap. 18-year-old who did not drop a set in singles all week, and Tomas Hogstedt, who is just 16 and, a, half, both hit with heavy topspin on the forehand and both employ the seemingly obligatory Swedish cook about Hogsted that were able to prove convincingly that even on the fast Bolitex carpet courts they could win from the baseline.

Today it fell to Miss Jevens to score the winning point. Having beaten the top American, Miss

Mrs Cawley in form for final

with world No 1
Oakland. California, Peb 17.—
Evonne Cawley, playing her best tennis of the year, beat Virginia water of the final with earn a place in the final with Martina Navratilova Miss Navratilova won her 23rd consecutive singles match, remaining unbeaten this year, by beating Terry Holladay 6—4, 6—3 and will be seeking her fifth title of the year.

her fifth title of the year.

Mrs Cawley is seeded second in the tournament but the Australian had not reached the semi-final round in any event this season. She was at her sharpest in the first set against Miss Wade; playing a superb baseline game. Working mostly on Miss Wade's backhand, she hit several winners which nicked the edges of the court. Mrs Cawley fell behind 3—0 in the second set before regaining her touch. She has won her last 10 sets against the British woman.

Miss Navratilova had two service

sets against the British woman.

Miss Navratilova had two service breaks to take a 3—0 lead at the start of the first set but the match then developed into one of the toughest of the year for the world's No I player. The unseeded Miss Holladay, from California, evened the score at 4—4 by breaking her opponent's service. The game went to nine deuces.

Mes Navratilova came back to Miss Navratilova came back to win the ninth game, finishing with two passing shots. In the second set, Miss Holladay was 3—1 down, but battled back to make it 3—3.

LTA search for six sponsors, each with £15,000

British tenmis is searching for sponsors to preserve the status and continuity of its hard court championships. The Lawn Tenmis Association wants half a dozen each willing to committee 15,000 to enable the grand prix events to be staged traditionally at Bourne mouth in September.

The championships, formerly one of the most important evants in the British calcudar, boasts Lawrelly among its past champions.

Now the LTA has produced a 10-point formula for the tostual ment, which, in 1968, was chosen to be the first event in the world the grand to launch open termis. To emble to launch open tennis. To enable and them to attract spongors, their a salting main concerns have been to find a salting a date which would survive against a knowledge. Opposing tournaments in the the United States and Europe.

MISSISSAUGA CONTROL STATES WITH THE THE PROPERTY OF THE PROPERTY OF

SARASOTA Florida Longboat Key tournament: Semi-final round 2- Dibbe to Joubert Dibbe to Joubert Cromez (Ecuador) beat D. Carter by MELSOURNE: Bonne Bill juntor women's cup: Australia boat United a States, 8-7.

Cross-country

For the record

seem to occur very often. In his programme notes, referring to the previous Saturday's match against

previous Saturday's match against inswich, their manager, Gordon Lee, said that "most teams in the country would have beaten us". If Everton can only retain their newly found confidence, the number of teams capable of beating them will be far fewer in future. Their confidence grew as the came progressed, in contrast to Wrexham's which diminished as their mistakes for in goals as one

their mistakes let in goals at one end and missed them at the other.

Luck was not on Wrexham's side either—as when an intended hack pass from the Everton defender, Wright, to his goal-keeper left both players sprawled on the pitch and the ball trickling past the left goalpost. This hap-

Rugby Union : International matches
--England 9 Wales 3 Wales

(a) Twickenham

22 France

(a) Murrayheld

Club matches
Gedford 15
Broughton Pk 26
Cambridge Unv 17
Chollenham 9
Edinburgh Acd 19
Edinburgh Wds 10
Gosforth 48
Margone 10 Harrogala Harriopool Headingley Huddersfield Morpeth Orrell Oxford Univ Richmond Roundhay Royal High Yesterday

46. Baly 7. SCHOOL MATCHES: Campion O. Emajuci D.: Crown Woods & Motro-militin Police Cadets 10: Friary Grange Cl. Ernest Bailey GS 15. Haberdashers Acids Hatcham 22. Chistopurst & Schung GS 0: Haydon M. Bishop Core. Swan en O. John Fisher 21. Hampton 1. King Edward 4. Aston 7. Ouem Mary 3. Wel 40: 16. King is Marcleffeld 5. St. Edward 5. Luvireni O. OEES Westelled 31. Schooles GS 6: Rudday 7. Chenester HS 16. Stevenson C. Wallington 185 to Secteday O. West Park GS. St. Helicas 59. Hipperholme GS 8.

Rowing HAMPTON Head of the rists Flatts I. Etm 7mm 165ec; 2 & Edward's, Oxford, 7.43, 3. Tuffin,

minute of the match they were always losing.

The first few exchanges were fast and furious, with both sides gaining free kicks in scoring positions. Wrexham, wasted theirs, but when Ross took Everton's, he hanged it against a defender and Megson steered in the rebound. For the remainder of the first half Everton held a slight territorial advantage, but one still felt the result could go either way.

After the interval Eastoe, Megson and Latthford at last pulled themselves together and made for each other the goals that they had previously promised but they had previously promised but there quite achieved. With Hartford always probing as well, there was little Wrexham could do to stave off what gradually became inevitable.

stave off what gradually became inevitable.

EVERTON: M. Honge: J. Gidman, J. Balley, B. Wright, M. Lyrans, T. Ross, G. Meson, P. Eastoe, B. Latchlord, A. Hartford, J. McBride, B. Latchlord, M. WELHAM, D. Davies, T. Darracell, S. Konworthy, G. Davis, J. Jones, M. Vinier, M. Sulton, Sub. A. Hillow, M. Vinier, M. Sulton, Sub. A. Hillow, M. Vinier, M. Sulton, Sub. A. Reference, A. Paris, M. P. McKell, F. Carrodia, Reference, A. Paris, M. P. McKell, F. Carrodia, R. Reference, A. P. McKell, F. Carrodia, R. Reference, R. Re

HHII. I. Edwards. D. McNell. F. Carrodus. Referer: A. Rohnson (Waterlon-tille)

Obsterinuis.

ST PETTERSBURG, Florida: Women.
second round (US unless stated) 139:
A Ritzman, 68, 71, 100: D. Young,
71, 69, 10. German, 69, 71: C. Hill.
69, 71. 1a1: P. Meyers, 70, 71: S.
Rertolacini (Argentina), 70, 71: S.
Post (Canada), 69, 72: P. Aradley,
77, 71, P. Puiz (Australia), 72, 76,
L. Garbacz, 74, 68, A. Alcott, 72, 70;
R. Danuel, 73, 70: B. Lauer, 71, 71:
S. Patmer, 68, 74, Eritain scores: 149:
M. Walker, 74, 75. C. Caldwell, 72,
77, 155: J. Lee Smith, 78, 77

NORTH OF ENGLAND SENIOR FLAGS: Semi-finals round Old Hul-melans 10. Cheadle 9; Stockport 7. South Manchester and Wythenshawe 17.

Nersey 7.

SOUTH OF ENGLAND LEAGUE:
First dissing: Lee 18. St. Hicker J.
WOMEN'S TERRITORIAL

CHAMPIONSHIP: East 9. Cambined Universities 6; Midlands 6. South 14 West 2, North 9; East 5, Midlands 16.

N: First round (US unless 55: R. Caldwell 66 J. 57: D. Barr. D. Haldorson, c. K. Fergus, 66: B. Aum. c. K. Fergus, 69: B. Jacobe, t. J. Romer, P. Jacobe, 18: Lee. British sore: 53: P.

-Everton finishing makes it one of their better days

Everton 5 Wrexham 2
The scoreline makes it look as if it was easy for Everton, but it was not until well into the second half that the home side were able to relax. Until then their second division opponents had never given up hope and were always looking for the goals that would reward their endeavour.

But the endeavour rarely created chances and whereas Everton had several players who, on their day, seemed capable of scoring, Wrexham had only one. Vinter, a curiously awkward-looking player, a score both their goals in reply to live from Eastoe and one each from Megson, Ross and Lathford.

Figure 10 Everton, and at a period when the score was only 2—1 to Everton, and at a period when when were and the upper hand.

Everton weathered this particular storm, however, and shortly afterwards, when Ross scored a penalty after being tripped by McNeil, they looked safe. Two more goals were a bonus and Vinter's second consolation goal was no more than he deserved. To their credit the Welsh side kept plugging away but from the sixth minute of the match they were always losing.

The first few exchanges were fast and furious, with both sides always losing.

The first few exchanges were fast and furious, with both sides always losing.

The first few exchanges were fast and furious, with both sides from Megson, Ross and Lathford.

Figure 2 in Everton, and at a period when the score was only 2—1 to Everton, and at a period when were always losing.

to resolution

Skill comes

second :::

By Geraid Sinstadt
Bolton 1

Arsenal 1

Arsenal bave not lost a home
replay in the FA Cup since 1957
so they are entitled to feel that
a 1—1 draw in the fifth round
at Bolton was virtually as good
as a victory. Their manager.
Terry Neill, was predictably,
guarded in his post-match comments ("Bolton have learnt as
much about us as we have about
them"), but no one could have
called his demeanour pessimistic.
The Burnden Park pitch was a
key factor on Saturday, making
it inevitable that concerted skill
would come second to sweat and it inevitable that concerted skill would come second to sweat and resolution. A large central area of stud-clogging mud sapped the muscles. A greasy surface flown the flanks was an open invitation to slide-tackling defenders.

Walsh, not the quickest full back in the first division but one of the most tenacious, rolled up his sleeves and settled down for a hapov afternoon. Reid matched a happy afternoon. Reid matched him for power in the tackle and, for an hour, set standards for

for an hour, set standards for everyone in work rate. It was, though, only his fifth first team game after a year's absence through injury and his declining influence in the later stages was, understandable.

The stoker in Arsenal's engine room, Talbot, gave his usual non-stop performance but his long charges upfield seldom coincidet with the arrival of a well-timed. with the arrival of a well-timed pass. Brady was influential, although mostly in wide and relatively withdrawn positions. One shuffle followed by a quick burst into Bolton's penalty area for a cross from the byline provided a

ton for a swift, low shot past McDonagh.

There were some near misses, too. Young had a header against the post. Whatmore had a shot well saved by Jennings and from the clearance Rix saw his effort equally well parried by McDonagh. By the end, both sides were content with the draw.

BOLTON WAMDERERS:

BOLTON WAMDERERS:

J. McBonagh. D. Clement, M. Walsh. R. Greaves, S. Allardee, N. Cowling, W. Warman, N. Whatmore, N. Carlor, 18th. D. Burge, L. Centello, P. Reffer, S. Alargen, L. Centello, P. Reffer, S. Alargen, L. Charlet, D. Berge, L. Carlor, A. Sunderland, F. Stapirton, D. Pinc. G. Ris.

Referee: A. Grey 'Great Yammouth'.

Aberdeen are drawn away to Partick Thistle in the next round on March 8. Rangers are at home to Hearts, a clash between Glasgow and Edinburgh, which always has an added attraction.

OUARTER-FINAL ROUND: Cente or St Villern v Moron, Partick Thistle v Aberdeen, Berwick Rangers v Hobern in or Art United Rangers v Hoarts. Ties to be played on March 5

GOFFS KILL Co Rijester: Irish Masters chambionship I Griffith (Wales) boat D. Mountjoy (Wales).

SEQUIL, WBA flyweight champion-hip Kir Tar-Shik 'S Korra' best Louis Ibarra Panama', second round, PORTLAND: Heavyweight Starvin' Hagier IUS' knocked but Loucif Ramani Algerta, second round, ZAMORA; Junior hightweight: Carlos Hernander Spain; beat Hector Molina (Argentina), pts.

BELFAST: Irish Open champlenships:
Wen's angles: D. Travers (Scotland)
beat W. Thompson i Irisand). 18—15.
13—5. Men's doubles. Travers and G.
Hamilton (Scotland) beat f. Evans and
8. McKee (Ireiand). 9-15.
15—8. Women's singles. E. Thoresen
Norway beat 1. Bryson (Scotland).
11—7.
11—0. Momen's doubles G.
Heatily and I Reid (Scotland) beat
Hamilton and Bryson (Scotland).
17—10.
13—7.

Today's fixtures

T.30 units stated ALLIANCE PREMIER LEAGUE: WOT-

ester v Bath. SOUTHERN LEAGUE: Midland Wil-on. Redford v Alvecharth Southern vision: Chelmatord v Ashfords

FA YOUTH GUP: sixth round: Milli-well v Middlesheoogh. North v Eshw Vale (7.0) Pentprison: V Tredetar (7.0). Pontprind v Newbridge (7.0).

Billiards

Snooker

Boxing

Badminton

Basketball

Welsh dragon felled by Cross's two late strikes

into Bolton's penalty area for a cross from the byline provided a glimpse of what he might have achieved.

Bolton's desire to play football from defence was a strength and a weakness. While they seldom squandered possession, it was equally rare for them to build their attacks quickly enough to trouble Arsenal's efficient defence. Significantly, their goal came from a corner, Allardyce, magnificent throughout, lifted himself above all. Arsenal's defenders to head the ball out of Jennings's hands.

That cancelled out the goal Arsenal scored 10 minutes earlier, after a slip by Gowling. In only his second senior game as a central defender, Gowling battled courageously, retrieved most of his errors and was unlucky when the surface betrayed him. That left Sunderland free to set up Stapleton for a swift, low shot past McDonagh.

There were some near misses, too, Young had a header against Although Brooking and Devon-

enyeloped them for most of the afternoon.

Although Brooking and Devonshire were pale replicas of the artists they can be, they still fashioned West Ham's most promising attacks. In the first half, Devorshire allowed Brooking to display that familiar curing centre to the near post but Letheran covered Cross's header. In the second, Brooking refurned the compliment but Devonshire, a stray hand tugging at his sleeve, could win only a corner.

Neighbour could not have dreamt of a more wretched day, Pearson was troubled by a neck injury which forced him to go off at the interval and Cross, was subdued by Stevenson, one of Swansca's three giant redwood trees. West Ham, therefore, were as blunt as a brooken spear.

Significantly, John Lyall, their manager, picked out Martin for

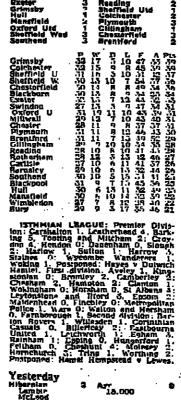
special praise. Indeed, he went as far as to say that he is one of the best two or three centre halves in England. Here he overnatives in England. Here to over-stadowed another of Swansea's redwoods, Toshack, once famed at Liverpool but now an aging shadow. Beside him, though, was "Keegan" in the guise of Giles —so similar in hairstyle, energy, feiuts and use of the outside of the foot

The past echoed around Swanses. On view were Liverpool in Toshack and Callaghan, whose Tostack and Callaghan, whose springs are gathering rust, Aston Villa in Craig and Phillips, their sweeper, and Everton in Robinson, a tenacious defender who eventually had his name taken. Callaghan and Craig dominated the brown territory in midfield, supported by the full backs on the greener turi on the flanks. greener turf on the flanks,
Swansea had the ball in the net
through James and Charles, the
other member of the tree family,
but both efforts were ruled offside.
Yet it seemed as though they had
done enough to earn a replay at
the Verch Field when Cross chose
to strike. The second, and killer
punch, was described by Mr Lyall
as "one of the best you'll ever
see".

It was created by Neighbour, of all people, who for once reached the byline and his low centre was headed home powerfully by the diving Cross.

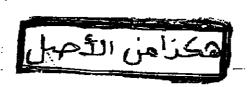
diving Cross. WEST HAM UNITED: P. Parkes: F. Lampard, P. Brush, R. Siewart, A. Martin, A. Devonslire, J. Neishbour, S. Prarson isub, P. Allen). Gruss, T. Brooking, G. Pike, SwANSEA CITY: G. Letheran: N. Robinson, D. Rushbury, L. Phillips, N. Stevenson, D. Giles, T. Graig, R. James, J. Charles, J. Toshack, I. Calladhan, Referee, K. W. Baker (Rugby).

Weekend results and tables FA Cup fifth round Second division Blackburn 1 Aston Villa Replay Wednesday (7.30) Bolton 1, 3, Artonal Replay: Triesday (7.30) Everton 5 Wetsham First division Brighton 0 West Bromwich 0
Derby 2 Southampton 2
Hanchmeter City 1
Hotts Forest 2
Styles 1 Hiddlesbrough 2
Higher Utd 1 ERN LEAGUE: Midland
Berry 3. Bromsgrove 1; BedWellenbarough 1; Cambridge
Chelienbarn 0: Corbs 0.
6: Gloucester 1, Witney 1;
Lynn 0. Merthyr Tydill 0.
Millon Keynes 0: SbornG: Taunion 2. Southern div antorbury 0; Shepway 0 0: Dunatable ALLIANDE PREMIER LEAGUE:
AP LATINSTIN 2. SELFORGER SINGES 1:
SERVICE CONTROL SERVICE S LEAGUE: wich Victoria 1. Searborough 1. N selon Borough 1. Ma deterr United braymouth 6. Reddich Insited Workstor City 1. Gravesend Northflert 0. NORTHERN PREMIER LEAGUE: RUNION 1. Morreambe (1: Goole 5, Gainthorough 2. Granthem 6, Tan-rorth 0. Lanca-ter 3. Gateshead (1: Maccierfield O. Worksop I: Mattock O. Burron Albion G. Mossley 2. Frickley 1: Netherfield O. Wilton Albion 2: Obwestry 1. Southport O: Workington I. Marina 3 Postponed: South Livergood V. Mossey IRISH LEAGUE: Ards 2. Crusaders 5. Cultonnine 1. Caleraine 3. Distincty 1. Railgmens 3. Glengron 1. Limited 2. Glengraph 1. Large 0, Postadown 2.









Indian umpire's gesture of good will West Indians Private duel should not on verge on verge

Cricket Correspondent Bombay, Feb 16

Bombay, Feb 16

The Jubilee Test match was marked here today by a gesture of rare good will. Then England were 85 for five, Taylor, then seven, was given out, caught at the wicket off Kapil Dev. Following discussions between the various parties, he was then recalled by Viswanath, the Indian captain, to what sounded, surprisretalied by Viswanath, the Indian captain, to what sounded, surprisingly enough, like the whole-hearted approval of the crowd. When play ended, almost three hours later, Taylor was still there, and England, in reply to India's first innings total of 242, were 232 for six. With his second successive Test hundred Botham again had held the stage.

There never was a side, specially one that has had a difficult time of it in India, that did not attribute its problems parily to the umpiring. Already this winter the Australians have returned to Australia from India and the Pakistanis to Pakistan full of tales of woe. On the first day of this present match the umpire, Ghosh, turned down two leg-heafter enemels by Jeneton of the partners.

Ghosh, furned down two leg-before appeals by Lever—one of them against Garaskar in the first over of all—that seemed, from a distance, to satisfy the necessary

requirements.

Today, when the same umpire cave Larkins out first ball, a visiting fireman from a neutral country, himself a famous batsman, commended Larkins upon the good grace with which he accepted a surprising decision. Larkins was aiming to leg-glance an inswinger.

an inswinger.
Also this morning Brearley was Also this morning Brearley was given leg-before to Kapil Dev, plaving no stroke. If Larkins's looked as though it might have missed the leg stump. Brearley's, I thought, would probably have hit the off. In the first over after lunch Gower was also leg-before to Kapil Dev. bitting across the line. Gower, like Brearley, seemed surprised by the decision.

Such was the atmosphere, then. Taylor. pushing forward to Kapil Dev. was given out, caught at the Taylor, pushing forward to Kapil Dev. was given out, caught at the wicket. On taking the ball kirmani threw it high into the air, appealing londly. If any of the slips joined in they did so more with arms than voices. With Taylor looking flabbergasted, Viswanath, fielding at first slip and leading ludia for only the second time, took action. After speaking to Taylor he walked down the pitch for a word with Hanumanth Rao, whose decision it had been.

Viswanath returned next to con-Viswanath returned next to con-

sult with Gavaskar, his predecessor as India's captain, with Taylor listening in. The upshot of it all was that the umpire acceded to Isteming in. The upshot of it all was that the umpire acceded to Viswanath's request to change his decision; whereupon Taylor, to one of the biggest cheers of the day, resumed his innings. Having been given out. Taylor should no doubt have walked less reluctantly than he did; as for Kirmani, his action in throwing up the ball, though common practice,



Star of India: Botham, the jewel in the crown of England.

was no more than a way of putting was no more than a way of putting pressure on the umpire. It was an incident, even so, which brought the best out of the Indians, and if it makes both sides more careful in the future as to when and how to appeal, then more good should come out of it than harm from having preempted an umpire's authorits.

RIOCHIRE dubinusly run out by Greig off the last hall of a day's play in Port of Spain. Hanumanth Rao is considered to be India's best umpire. He would have been perfectly within his rights to stand by his decision today, just as he was fully entitled to change it as he bild. He has a thankless joh and he need have no regrets. The affair reflected the spirit of a happy occasion.
With the ball still moving about tingland had lost their first five wickets for 58. Gooch had become Kirmani's ninety-night Test victim, Boycort his hundredth; hoth had been caught off balls that left

them off the pitch. Gower's way of preventing a Ghavri hat-trick was to hook his first ball for four, after which he batted carefully and well until be was out. But as in their last Test innings in Melbourne, when they were 92 for six, England were saved by the splendid Botham, who once again experienced few of the problems of timing and survival that beset the others.

As would happen, of course, Taylor sook full advantage of his good fortune. For the sixth wicket he and Botham aided 171, a record for England against India, heating the 165 which Gower and Miller made together at Edgbaston last July. By the time Botham was leg-before to Ghavi with only ten minutes left, they had turned what might have been an awkward deficit into a likely lead.

I have never seen anyone sweep much better than Botham did today, particularly against Doshi's orthodox left-arm spin. There were a few overs of ndy off-breaks from Yadav but for the most part Viswanath looked to his faster howlers to finish what they had

were a few overs of not off-breaks from Yadav but for the most part Viswanath looked to his faster-bowlers to finish what they had started. They all came alike to Botham, whose defence was sound and judgment good and strength, when he chost to draw upon it, formidable. He has become the first man to have taken fire wickets in an innings and scored a hundred in the same Test match three times. Mushraq Mohammad has done it twice, as did Sobers. has done it twice, as did Sobers,
in the last two days' play Taylor has equalled a world wicketkeeping record, been recalled
after being given out, bad his
middle stump knocked out of the middle stump knocked out of the ground by a no-ball, shared in a record partnership, and helped to change the whole outlook of the march. In ten days and two different confluents Botham, for his part, has taken his tally of Test hundreds to six, stood head and shoulders above his colleagues, and become the centre of attraction in India. What a joy he is!

INDIA: First Innings 242 II. T. Botham st. for 58;
G: A. Gooch. C Kirmani. b Ghairi 8
G: Boycott. c Kirmani. b Binny 22
W. Larkins. I-b-w. b Ghavri 0
II. I Gower, I-b-w. b Kapii Der 1
I M. Brearley, I-b-w. b Kapii Der 5
I T. Botham, I-b-w. b tibarri. 114
R. W. Taylor, not out 2
E. Emburgy and out 2
Emb

MELBOURNE: Sheffleid Shield: Tasmania. 224; J. Scholes 100; int nur.
Mass. T. Carlotte 100; int nur.
Mass. T. Carlotte 100; int nur.
281; and 100; J. Higgs 1—18.
Walker 1—36;; Victoris 166; for 8 dec
1 Scholes 126, R. Robinson 105 not
nur: W Scholes 5—86; Victoris won
by an innings and 119 runs.
AUELAIDE: Sheffleid Shield: South
Australia. 108 and 201; iii. Darrings
AUELAIDE: Sheffleid Shield: South
Australia. 108 and 201; iii. Darrings
and 136; for 1 K. Wessels 60 not out).
Unenstand wom by ning wicks 8:
JOHANNESSURG: 50-000; final.
Western Province. 201; for 1; Transtast. 229 for 3; Cone 110 not out).
Transvaal won by serving 1.5 not out).

of another

defeat

Wellington, Feb 17.—Wellington ended play at 114 for three here today, needing just 39 runs to score a surprise victory over the West Indian touring team. Coney, a member of the New Zealand side that beat West Indies in the first. Test last week, is unbeaten on 50, and his fourth wicket partnership with the captain and former Test player Morrison, is so far worth SS. Earlier the fast bowler Ewan Chatfield, another former Test player, wrecked the West Indian batting for the second time in the match.

WEST INDIES: First binding Graenidge, t Newdick, b fleid Haynes, c Gray, b Chatfield Rowe o Cater Comes, c Morrison, b Cater Kallicharran c and b Chat Moid

A Murray I-b-w. b Cater

L King b Chatfield

R. Parry, not out

D. Marshall b Chatfield

Garner, c Morrison, b Cater

A, Holding, c Coney, b Cater

Extra

BOWLING: Taylor 12-4-16-0; Chaiffeld 18-7-35-6; Cater 15.5-ried Rayrice, c Vance, b Chairled Rower b Chairlide A Gomes c Gray b Cater A L. Rediction of Cater C. L. King. C Red C. Cater C. C. Cat

WELLINGTON: First Innings Edgar r Garner b Marshall A. Newdick c Garner b A. Newdick. C Garner. b. Holding. R. H. Vance. C Murray. b. Marshall V. Coney 1-b-w. b. Garner. J. F. M. Morrison. c King. b. Marshall B. Reid. b. Marshall L. B. Reid. b. Marshall L. G. Rey L. b-w. b. Marshall L. G. R. Taylor. c Mirshall b. Garner. c Mirshall b. Garner.

FALL OF WICKETS: 1—19, 2—17, -49, 4—65, 5—65, 6—78, 7—78, -86, 4—93, 10—93,

British Olympic party membe with 27 points but only Day, with

the game's top scorer in Belk, a 20, provided adequate support. In comparison, Chevrons had three

Squash rackets

be a public spectacle

out of Miss Smith's hand and perulanity thrown her own up the court. By ther time it with must a question of seeining a missy match out of the way and thrusting it to the back of the mind as soon as possible.

Both players were not interested in scoring verbal points. Miss Smith was the mire inclined to get in the way. Miss Eloffmann the more sharp-tongued I though she was suffing back thare of anger after being accused of hydre to crip hiss smith with her racket. In the last gaine Miss Haffmann twice hit Miss Smith with the ball, first with a full-blooded drive and their with the kind of combat they had settled for.

Miss Smith had hener control of her squash. At its best her game was stronger and rider than Miss Hofmann's, but for all her loose stoots the Australian made only half as many errors. Miss Smith Squash Rackets Correspondent Squash Rackets Correspondent

Angela Smith, of Britain, who coaches in Manhattan, and the left-handed Vicki Hoffman, of Adelaide, are seeded second and third for the British women's squash rackets championship, which will begin at Hove on Friday. They should meet, in the semi-fitial round. If that match should come about there would be a reasonable case for playing it in private to dony these two line chance of doing the game's public reputation any further damage.

Miss Hoffman beat Miss Smith Miss Hoffman beat Miss Smith 9.—4, 9.—10, 9.—5, 10.—9 in an hour and a half of botsterously untidy and distastefully had-tempered squash in the final of the Prodorite invitation tourishing the wallthe Productive invitation tourna-ment, sponsored by the wall-luning manufacturers, at Edgbaston yesterday. The referee, Susanne King, who won the 1978 British championship as Miss Newman, twice threathead to abandon the match and confessed afterwards that she came close to doing so. shots the Australian made only half as many errors. Miss Smith allowed, the first game to slip away quickly from 4—4 and in the second she led. 7—2 but needed seven game balls—and survived three—before drawing level. that she came close to doing so.

The second warning—issued after the second game and half the third had been reduced to an unpleasant sequence of traffic jams, lets, barges, acrimonous debates and plain cattiness—was so severe that the players subsequently did make an effort to clean it—up." "play the ball instead of each other", and "direct all conversation to the referee " as Mrs king insisted they should. level.

From 4—5 down in the third game Miss Hoffmann won mine consecutive points. But in the fourth game Miss Smith came back from 6—4 down and had two game balls before the match ended with a superb raily that was decided with a superb raily that was decided when Miss Hoffman played a forehand angle and Miss Smith's countering drop went in the titl.

Boxing.

Three in a class of their own, Drury in class of one

Six of Galway's seven entries battled through the afternoon pre-liminaries and semi-finals for places in the finals in the evening to earn them the Harry Presson team trophy at the universities and hospitals championships at the Fisher Club, Downside Settlement, London. But individually, the English damped down Irish fire, raiding six titles. Three went to

This warning occurred after Miss Hoffmann had barged the racket

English damped down irish fire, talding six titles. Three went to the Irish (two to Galway and one to Cork) and one to the Scots. Glasgow.

The three boxers I liked best were the middleweight McKerrow and the heavyweight Painter, both of Kerrowand Stafford Dietrich. ware the heavyweight Painter. both of Kent, and Stafford-Dietsch, Oxford, at light-heavy. Loughborough's light-middleweight, Drory, gave us all too brief a gilmpse of himself, disposing of Cleary (Cork) in the first round, but he is in a class of his own.

McKerrow is an accomplished boxer though a light puncher. He did well to keep calm under flerce pressure from McNamara' (Galway) and neatly get one of the way of the Irishman's best blows. McKerrow showed a variety of punches not often seen in student boxing and he used them well to wear down a strong opponent. Palmer boxed with enviable cool-

Motor rallying

KARLSTAD: Swedish international rally: Landing placings: 1. A Kullacity (Swedish) Lupit, Shi Troin 3245; 2. S. Biomyrist (Swedish), Sab 3, 4:19,22; 3. B. Waldegard (Swedish), Fial. 22,139; 4. R. Wakinis (Finland).

ness, too, against Simpson (Lough-borough), a digget and taller man. Under Palmer's zwo-handed batter Under Pälmer's swo-hamfed battering the bigger man soon-lost his reach advantage and the bout was stopped in the third round.

Sufford Dietsch and Multiolland, of Edinburgh, are old rivals and It was surprised that the Oxford man had not worked out his powerful but briefle opponent. He did put Multapliand down rwice but only after some worrying moments. Stafford-Dietsch is resillent and punches well when given time. If only he would stand lift ground, srep aside and clip our ushing opponents.

Another Kent man, Maddocks (light-weiter), who beat Keane, of Galway, was in control throughout

Galway, was in control throughout but was not able to follow through mainly because of a lack of power mainly because of a lack of power and the Irishman's recalcinance. Kennedy, from Bradford, has a good left hand but almost lost faith in it when crowded by the UCD welterweight, Glynn. But he regained his composure and, after Glynn had used up his reserves, stopped him in the second. The flyweight Knox, from Glasgow, was too strong for Coughlan (Galway) and won in the first round; Lee (Galway) was a little unlucky to lose to O'Donovan (Cork) and McHale, the Galway featherweight, hit too hard for Riley (Kent).

Athletics

Front man gets reward for

boldness The open indoor meeting at Cosford on Saturday, sponsored by Philips, gave British athletes a final opportunity to impress the selectors for the European cham-pionships.

selectors for the European championships.
Paul Williams, from Cambridge, elected to run the 1,500 metres from the front and again achieved a European qualifying time, winding in 3min 46.8sec. Another possible, Ken Newton from Sheffield, ran away from the field in the 3,000 metres and won in 8min 0.8sec, marginally ourside the standard, and he must now wait to see if he is selected.

Brenda Gibbs, of Lencester, simplified the selectors' choice to the high jump by clearing 1.83 metreshigh jump by clearing 1.83 metreshigh jump by clearing 1.83 metreshigh fump by clearing 1.83 metreshigh fump by clearing 1.83 metreshigh fump by clearing the man Louise Miller of Chelmsford.
Daley Thompson, the Commonwealth decathion champion, achieved a double, After Clearing 4.70 metres to win the pole vault, he went on to take the shot with 15.12 metres, and then amnounced that be was off today to continue his Olympic build-up in California.

Angela Littlewood, from Cambridge, had hoped to improve her Commonwealth shot record but lacked competition as her main tival. Hudith Oakes, injured her-

Dridge, had noped to improve her commonwealth shot record but lacked competition as her main rival, Judith Oakes, injured herself in training on Thursday. She had to be content with a winding distract of 16.37 metres.

WINDERS: Men: 50m A. St. Louis (Thamber Velley) 7.05cc. 300m N. Jackson Walverhampton and Bilston: 48.38m; 1500m P. Williams: (Cambridge), 5mm 45.88m; 3.000m N. Jackson Walverhampton and Bilston: 58.54m; 1500m P. Williams: (Cambridge), 5mm 45.88m; 3.000m K. Seec. 60m Improved Shepting 1.000m; 15.05m; 15.05 LOS ANGELES: Indoor meeting, winder: 280 vas: M. Bott (Kraya). 1mt 48.6sec. Mile. 5. Coghlan (Iretander: 22.9. Two miles H. Rono (Konga) 22.1.7. Pole wauk, M. Tully (US) 181.

Cross-country

Deegan retains title to earn trip to France

John Treacy, the world croiscountry champion, did-not travel
home from his American University to compete in his country's
national championship at the
Phoenix Park, Dublin, yesterday.
The winner was his County Waterford colleague, Gert Deegan, who
now goes to Paris next month
with Treacy as a member of the
Republic of Ireland's team for the
world championships. Deegan, also
the winner last year, went out in
a determined manner to retain
the national title.

Deegan built a big early lead

the national title.

Deegan built a big early lead and reached the tape 13 second: ahead of John Woods, who will also be making the trip to France next month. Third of the 250 comnext mount. Third of the 250 com-petions was a veteran. Danny McDeid, a postman in County Donegal. Mary Purcell won the women's title from a schoolgiri, Carol Meagan. RESULTS: Men (12.000m; L G. Deech. 77mm .Sec: 2. J W051. 37.28; 3. D McDaid. 37.34 W3mm; 15.000m; L M. Purcell, 17mm 13ec: 2. C Mesgan, 17.25; 3. D. Negis. 17.29.

Worcestershire succumb to scientific approach

Hockey

Worcestershire 1 Bucks 2 A bit of sporting history was made at Slough yesterday with Buckinghamshire reaching the final of the county hockey championship for the first time after their victory over Worcestershire. The scene will move to Lord's for the final on March 22 when Buckinghamshire will meet Middle-sex. whom they had defeated 4—0 in the South Final last November. Yesterday's game was not a tions particularly hampering the stick artists. Still, the scientific approach, shown by Khehar and Lali, served to keep Buckinghamshire ahead of their rivals.

Worcestershire, with only littleworcestershire, with only liud-ted skill, were at a disadvantage and did not really get into the game until after 15 minutes. How-ever, they played with great spirit and finished creditably. Lamb was the best of their defenders and Cowx. a Welsh international, the most resourceful forward.

The Worcestershire defence, onfused by Lah's deft suckwork, contrasen by Lan's dert stickwork, conceded the first goal in the fourth minute. A long corner gave way to a scramble and Khehar, despite some resistance near the line by Steve Partington, completed the good work which Lali had started.

their second goal in the fourteenth minute Worcestershire were out of luck, the short corner which led to it having been earned by Flora, who had brought the ball back into play from over the line. It was nevertheless, nearly converted by Churcher.

left by Ken Partington, Buckinghamshure then had to struggle to hold Worcestershire in check, but with Khehar and Lali still in high WORCESTERSHIRE: S.
lourport: G. Lamb :Stourports G. Lamb :Stourports G.
lourneville: Addition G.
lourneville: A MacNamara

At Huddersfield, Middlesex de-At Hudderstield, Muddlesex ou-feated Yorkshire in the other semi-final match by 2-1. McGinn and Imtiaz scored for Middlesex, Macdonald from a penalty stroke When Buckinghamshire scored

For the last five minutes of the first seven of the second. Buckinghamshire played without Flora, who was under temporary suspension for an injudicious tackle. He was back in action however, when Worcesterskire reduced the lead from a short corner converted by

Basketball

Palace crowned on court of their rivals twice before, of going through the

By Nicholas Harling Crystal Palace Chevrons cap-tured the national baskethall league title far the sixth time in eight years in Doncaster last night on the court of their nearest challengers, Team Ziebart. In a far closer contest than last month's embarrassingly one-sided cup (mal between the clubs, Chevrons won by 99-89 to assure themselves of first place with points to spare.
Should they win the last two matches of their programme of 18 games, Chevrons well also emulate their own achievement, managed

entire season with a 100 per cent record. On paper Ziebart, last year's champions, were the only side with a chance of catching the leaders but, hard as they battled to stay in their most important fixture, there was usually at-least seven points separating the clubs, and mostly 10.
Only at half-time, when Chevrons had a fragile grip on the game at 49-45, did they look in any danger of allowing Ziebart to prise

the trophy from them for the second year running. Zighact had

comparison, Cherrons had three marksmen of note in Baillie, 23, Jeremich, 20, and Byrd, 19.

RESULTS: Men's first division ovalline Henrel Hempstead 89, Kelly Girl Kingston 88, Stockport Belgrade 103, Blackpool 97, Talbot Guildford, 175 Manchester 96; Vesterday Sumblers Sunderland 43, Blackpool 74; Ziebart Doncaster 89, Crystal Palace 99; Kelly Girl Kingston 126, Talbot Guildford 107; Fist Coventry 115, ATS Manchester 101 Women's first division. Coventry 40, Tigers Hemel Hempstred 87.

Racing

Courney library Reddich Sub No. Store Stor

With the Cheltenham Festival meeting and the Grand National appearing on the horizon, one of the incurable foibles of racing folk is once again brought to light. This is the lemming-like propensity for suddenly treating pound notes as if they were Bank of Toytown currency and heaping them in vast amounts on horses in big races weeks and even

in big races weeks and even months ahead. Occasionally, of course, it will Occasionally, of course, it will pay handsomely, as those who took Michael Seely's advice to hack Diamond Edge at 20-1 for the Gold Cup before Christmas will testify. Fulke Walvyn's gelding is 2 to 1 or thereabouts in most ante-post lists now, and those who took the long odds find themselves in the enviable position of being able to nothing. In most cases, however, this

In most cases, however, this obsession with trying to pick winners at long-range is a sure path to grey, hair, ulcers and an overdraft that might make even Sir Michael Edwardes wince. This week, with big-race trials up and down the country, you can be sure the financial suicide will continue. For example, Diamond Edga himself is due to run in the 'im Ford Memorial Steeplechase at Wincanton on Thursday and putters no doubt will be falling over themselves to snap up the new absurdly short price on offer for the Gold Cup before he plummets to an Cup before he plummets to an even more laughable low.

likely to run at Windsor on Wednesday), Royal Mail and Silver Buck took on Diamond Edge at Wincauton and beat them all comfortably, it would still be madness to cat out of the bookmakers' hands when so much can happen between then and the hig race. Another star on show at Win-canton will be Pollardstown,

favourite or second favourite— depending on which bookmaker depending on which bookmaker you like to lose with—for the Champion Hurdle. Pollardstown is likely to have little opposition on Thursday and a more informative trial will be the Erin Foods Hurdle at Leopardstown on Saturday, when Monksfield, winner of the last transfer in Handles. the last two Champion Hurdles, will be seeking at re-establish himwill be seeking at re-establish him-self against such worthy opponents as Celtic Ryde and Chinrullah. Anything other than an abject display by the champion, who never peaks until the big day it-self, will give the green light to the hordes of nerveless Irish punters to wad; in with the heavy stuff.

Also at Leopardstown. Jack of Trumps. the Gold Cup second favourite, will be attempting to give 10th to the Grand National top weight, ballyross... The main features of the racing on Saturday were the exciting duel between Beacon Light, and Drusus at Nottingham; the excellent Grand National Irial run by Jer on the same card; and the fine

Even if Border Incident (more riding by Lorta Vinc 't to win on kely to run at Windsor on Calinago at Unepstow. It made a pleasant change to hear a rider—in this case Andy Turnell on Beacon Light—admit that he was not sure if he would have won, if it had not been for the last-fence fall of a rival. One thing is sure; however, and that is that those who regard Beacon Light as a Cheltenham banker may have to think again after the way the nine-year-old dived at some of his fences.

It was also good to see a real-to-

It was also good to see another rider. Philip Tuck, refusing to resort to histrionics, when his mount Jer was crossed by Peter Scot. As it was, Tuck gave Jer a sympathetic ride and one which stamped him yet again as a sound National candidate.

National candidate.

Silver Shadow will be a very hot favourite to win today's City Trial Hurdie at Nottingham after her third to Bootlaces in the Schweppes Trophy at Newbury recently. On form she should certainly win, but it would not be surprising if, she were pushed quite hard by Jack O'Lamern, who was by no means disgraced in the Schweppes. A better bet, in terms of value, could be Somers Heir in the first division of the novices hurdle at Plumpton. Somers Heir, who did well to finish fourth to Desert Hero at Sandown, has James Hunt to beat.

Saint-Martin breaks arm

The British ream of Joe Mercer and Par Eddery could finish only fifth in the second of the South African series of international jockeys' events, run at Greyville, Durban. on Saturday. Team four-ours went to France (Freddie Head and Yves Saint-Martin) for the second weekend in surrescion the second weekend in succession, and Saint-Martin took the indivi-dual honours with 24 points.

dual honours with 24 points...
Saint-Martin's honours were, unfortunately, gained under clouded
circumstances. He had finished
second in the first race on Run to
Win, and Coconut Queen, provided
him with a fluent win in the
second. However, on the way, to
the start for the third race, abourd
Peak Street, Saint-Martin was
thrown and rushed to hospital,
where a fractured arm was diagnosed.

A South African apprentice

where a fractured arm was diagnosed.

A South African apprentice, Mark Sutherland, was hurriedly substituted and rode Peak Street to a convincing victory for France. Latest news on Saint-Martin is that he will be out of action for at least a month.

English success: Robert Africation is the will be out of action for at least a month.

English success: Robert Africations's Rabdan, ridden by Paul Tulk, won the £3,352 Prix de Bastia at Cagnes-Sur-Mer by a comfortable three and a half lengths yesterday. Tulk jumped the filly off smartly ahead of her four rivals and although Queen of Diamonds was in touch until a furlong out, she never looked like troubling the English filly.

Nottingham programme

1.30 KINGSTON CHASE (Handicap: novices: £957: 2m)
3 1-00012 Lapitis, D. Moriey, 5-11-7
2 20,122 Lapitis, D. Moriey, 5-11-7
2 20,122 Lapitis, D. Moriey, 5-11-7
3 21,122 Lapitis, D. Moriey, 5-11-10
3 21,122 Lapitis, D. Mories and S. 11-3
4 21,122 Blease Boy, S. Chapman, E-10-10
5 00220 Locky Cell. D. Nichnison, 5-10-10
10 04024 Royinsy, Light, J. Leigh, 6-10-7
12 94022 Tiles, & Cox. 5-10-7
13-8 Caxton Ball, S.2 Lapitis, S-1 Lucky Cell, B-1 Springdamus, 10-1
12-1 Bleased Boy, 16-1 Others. 2.9 CITY TRIAL HURDLE (Handicap: £4,383: 2m)
2. 412342 Sliver Shadow (CO), 3. H. Easterly, 6-10-11
5. 10-6230 Teny [D]. H. Soulatiald, 2-10-10
9. 1-10-100 Jeny (D). H. Soulatiald, 2-10-10
10. 300-141 Statement (D), Market 1, 7-10-7
4-9 Siver Shadow, 4-1 Tony, 3-1 Jack O'Llanter, 12-1 Gray Putonitate. Putonish 230 GOTHAM CHASE (Handicap : £1,130 : 2m) 300003 flawmenies, M. Erie, 9-10-12 ; 143224 Stryne (CD), P. Salley, 10-10-7 8-15 Surpue, 11-10 flawnopuls.

3.30 17TH/21ST LANCERS CHASE (Hunters: emeteurs: £500:

4:0 BENDIGO HURDLE (Div I : £681 : 2m) GO HURDLE (Div I: £681: 2m)
Alagers Greek (D). D. Nicholson. 6-11-5
Lasgelitts (B). P. Peigell. 5-11-5
Anse; Le Hivs. P. Peigell. 5-10-10
Churdell. A. Larvis. 5-10-10
Churdell. A. Larvis. 5-10-10
Churdell. Miss. A. RIB. Wood. 5-10-10
Fair Haidle. M. Ryan. 6-10-10
Guid Claim. M. Salanzan. 8-10-10
Nativas; L. Burnit. 5-10-10
Nativas; L. Burnit. 5-10-10
Prost diverses. M. Marker. 5-10-10
Prost diverses. M. Hardle. 5-10-10
Prost. Like. M. 121; 6-10-10
Romares. M. Wharvoz. 5-10-10
Romares. M. Wharvoz. 5-10-10
Tank's line. W. D. Francis. 10-10
Very. Lipht. T. Forster. 6-10-10
Lifth, 1300-30 Very. Lipht. 6-1- Fair Humser. 6
Procey. Mopelul. 10-10 Charless. 13-1- Others.

430 BENDIGO HURDLE (Div. II : novices : £665 : 2m)

Nottingham selections By Our Recing Staff 1:30 Canton Hall. Lif Silver Shadow, 2.30 Skryne, 3.0 Florings. Tamakn. 4:0 Gold Claim: 4:30 More Planaric

Latest European snow reports

FDOW New snow on hard base Cournayeur 350 North facing slopes icy 35 150 Varied Fair Powder Good Snow Grindelwald 35 150 New snow on hard base Isola 2000 120 155 Good Varied Good Fine Murren 65 — Good Powder Good Snow -2
Light powder everywhere
St Anton 100 300
Light fall of new snow
Zermatt 50 175 Good Varied Fair Fine -3
Good sking above 2000m
In the above reports, supplied by representatives of the Ski Club of Great Britain, L refers to lower slopes and U to upper slopes.

Nottingham results

1 30. 1 Esecon Light 13.9 [av.: 2, Fraven 100-1: 3. Lady Carousel 100-1: 3. Lady Carousel 100-1: 3. Lady Carousel 100-1: 5. Tan. 2. Jet 11.9 [av.: 3 Colleges 11.1: 2. Jet 11.9 [av.: 3 Colleges 11.1: 2. Jet 11.1: 4. Colleges 11.1: 3. Satishbuckling 15.2: 2. Gaff Rem. 16.21: 3. Satishbuckling 15.3: 1. Darish King 7-1 fav. 6 Fall. 5.1: 5.1: Darish King 7-1 fav. 6 Fall. 5.1: 5.1: Darish King 7-1 fav. 6 Fall. 5.1: 2. Lad Ancholme (4.2) 5. The Chosen One (12.1: 11 fan. NR: Tryphon 5.33: 1. Winnerbourne Lad (20.1: 2. Masterful (30-1: 3. Figs. Park 4.05 1. Saint Terry (4.1: 2. Lad 7.2) 7. Tan. 1. Tarevach (1.2 fav.) 5. One (4.5) 1. Saint Terry (4.1: 2. Lad 7.2) 7. Tan. NR: Paul Steward.

Chepstow

Sparkford (9-3): 3. Beige Prince (40-1), 16 rad. Falls Road, Graigne House, Isle of Wight did not run N. 15. 1. Hobe (7-1). 2. Fosseway Folly (100-50)i lav. 5. Ocean Pairol (4-1) Princely Yark 100-50 ii far-15 ran. Elife Lady Fitteen Two die not rus.

Lingfield

2.0. 1. Ty-Ar-Ean (5-1): 2. Wazir (5-2 Fay): 5. Master (9-1): 17 ran. Golden Cape. Level Flight did not run. Chepsiow

T.13 I. Man On The Run (13-2):

S. Russell & Choice (5-3 fav.): 3 Clear Dad (13-1): 4 Fan (13-1): 5 Fan (13-1): 5 Fan (13-1): 5 Fan (13-1): 5 Fan (13-1): 6 Fan Plumpton programme

1.45 SHEFFIELD PARK HURDLE (Div I: novices: £650: 2m) 2.15 HASSOCKS CHASE (Novices: E896; 3m 1f)

2.45 SUSSEX HURDLE (Handicap: £884 : 3m) | Add | Add



Plumpton selections By Our Racina Staff 1.43 Somers Heir. 2.15 Pride of Tennessee. 2.45 Toyco. 3.15 Francis.

Russia's proxy war in Kampuchea

It is now a year to the day since China and Vietnam went to war in a three-week campaign which cost each side up to 40,000 men killed and wounded. The situation which first gave rise to the fighting and which is still largely unchanged, was the Vietnamese invasion of Kampuchea and the Russian support for that invasion, both, of which have magnified in the ensuing 12 months, in spite of Russia's other preoccupations in Afghanistan.

Thus the Chinese did not achieve any very clear objective from the engagement, other than a once and for all punishment inflicted on the Vietnamese troops and countryside. However, that punishment was not cost-free, since they encountered much more effective resistance than they had exlow category Vietnamese units which were then stationed in the border area.

Those units have now been replaced by 20 divisions of battle-trained Vietnamese soldiers, but it remains quite unclear to western analysts why the Vietnamese last year chose almost completely to ignore the prolonged signs of a Chinese military build up on their

Scorched earth

It is not just that the Vietnamese suffered serious casual-ties as a result of remaining unprepared. Their lack of pre-paration was relative, since paration was relative, since Vietnam is the nearest thing in the world today to a "warfare stare" which could bear 40,000 casualties lightly, against the millions of Vietnamese who bave been sacrificed already in 50 years of almost continuous fighting. However, when the Chinese withdrew they literally scorched the earth behind them so that not one building was left standing. They even demolished a cave from which it is said Ho Chi Minh organized the siege of Dien Bien Phu. This had become something of a shrine to the Vietnamese: no more.

The Chinese occupation of



Refugees on the run in the battle between Vietnam and Kampuchea.

border may still give rise to further skirmishing; but the chances of another major invasion seem slim in spite of the fact that Vietnamese operations in Kampuchea, under the sponsorship of the Soviet Union, continue unabated. So, a year after the Sino-Vietnamese war began, it is possible to draw certain sombre conclusions from it-at least from the Chinese point of view.

The first is a reminder of China's great military weak-ness, which is the basis for its legitimate concern at encirclement by fully armed and modernized forces of the Soviet Union and/or its proxies. Among the many other "ifs" about the Soviet invasion of Afghanistan on the Chinese wes-tern border, it is possible to argue that it would not have happened so easily if China

with Vietnam on her southern border.

The argument then that tiveness of the Russo-Vietnamese friendship treaty has been rather invalidated by subsequent events. Under the terms of that treaty, the Russians have transferred more than 100,000 tons of defence war, with China ended.

However, the Vietnamese economy is in collapse. It is a technically bankrupt country with virtually no capacity to repay foreign loans or even to service interest payments which now exceed its total annual foreign exchange earnings. Yet the bankrupt Vietnamese manage to maintain one million men under arms with an invasion force of 20 divisions (200,000 men) fighting in Kampuches and another 20 divisious on duty in the border areas

devastated by China, A simple answer as to why a bankrupt, stagnant country can continue China showed up the ineffect to wage such a war is that it is sustained in that war entirely by the Soviet Union.

It is true that operational command remains firmly in Vietnamese hands, though some Russian influence may be detectable in the recent shake up of the defence command in Banoi. Russian military adrisers aiding Vietnam's forces in Kampuchea number about 5,000 (similar incidentally to the scale of the Soviet presence in Afghanistan before Christmas) and the position of Vietnamese troops in Kampuchea is so clearly consolidated in most areas that the Soviet investment there looks more secure than in Afghani-

However, even if the command of operations remains in Vietnamese hands, the extent of Vietnam's economic insol-

stan.

vency and industrial incapacity reveals the totality of her chent status for receiving Soviet military assistance. Every shell which is fired, every truck which moves, every helicopter which flies in Kampucinea, does so with the active connivance of the Soviet Union. During the war with the United States. Vietnamese received a military assistance group from the Soviet Union which still exists now to channel through the military aid from Moscow and deployment. Initially, after the American withdrawal, the North Viemamese inherited much military equipment abandoned in the south. Gradually this bonus was eroded owing to an absence of spares and the inability of the Vietnamese to maintain the

equipment. The Russians have sent in hundreds of tanks, artillery and

provided to maintain the advanced air defence environ-ment which Vietnam created during the American bombing campaign and which deterred the Chinese from sending in aircraft when they invaded last year. Though the main emphasis has been on army equipment the air force has received at least 60 MiG 21s as well as earlier models for pilot train-ing. The navy has been equipped with about 50 coastal vessels and the Russians hope to acquire in exchange, for-ward naval facilities at Danang and Camranh Bay, as bases for extending neval operations in the South China Sea.

Principal party

Thus the war in Kampuchea is being fought by Vietnamese troops but it is being kept going by the Russians. It may be technically accurate to conclude that there is no evidence of active Russian involvement Kampuchea similar to that which is now emerging in Afghanistan. Further explanations can be found in the nature of the Kampuchean war itselfa counter-insurgency operation with which Russian commanders have no familiarity, even though they may now have to start learning the hard way in Afghanistan.

In the diplomatic world, at the United Nations and elsebeen considered to be the principal party to the war in Kampuchea. Can that really be accepted when the Russians have such a stranglehold on Vietnam's capacity to wage any war, anywhere? The answer to that question must be that it is Russia's war in Kampuchea, waged by convenient proxies whose lifeline could be cut off at any moment without anybody else turning up to replace it. The Chinese have hitherto been more painfully aware of that fact than has the West.

Lest the invasion of Afghanistan be allowed to pre-empt all our attentions, the Soviet Union's critical involvement in anti-tank guns. Air defence the war of South-east Asia is missile systems have also been worth remembering.

Bridging the transatlantic gap over nuclear fuel

With the end of a two-year in- cessing and breeder technology. ternational study, the argument between the United States and Europe over nuclear fuel and the spread of nuclear weapons. is entering a new phase.

At issue is the reprocessing

of used fuel and the construction of breeder reactors. Both of these are central to the longterm energy plans of several European countries, and they figure in Mrs Thatcher's vision of Britain's future. The United States opposes both on the ground that the stockpiling of plutonium makes it easier for governments or even terrorists. to acquire nuclear bombs. It has threatened to carry its opposition to the length of cutting off supplies of nuclear fuel.

The study, just being concluded, is the International Nuclear Fuel Cycle Evaluation —INFCE to its friends—conducted at meetings in Vienna, and attended by representatives of 63 countries. It was designed to create a technical view that would help to bridge the gap between the United States and most of western Europe, and

of this month, but the contents have already been leaked, and it is clear that they favour the European side more than the

It is clear also that INFCE has not bridged the transatlantic gap, and could not do so. The planning group that set it up said it was to be "a rechnical and analytic study", but the questions it confronted remain stubbornly political.

The underlying question is the balance between measures to check the spread of nuclear weapons, and measures to supply nuclear power for electricity. The Europeans worry more about the energy gap and less than the Americans about the spread of nuclear weapons. This is partly because Europe does not have the natural energy resources that America has, and partly because these days, Euro-peans tend to leave global questions to the super-powers.

fuel reprocessing and breeder reactors, the output of one, the input of the other. Extracted from used fuel by chemical re-processing, plutonium can be used as fuel for breeder reactors. But it can also be used to make nuclear explosives.

President Carter underlined the conditions attached to the supply by the United States of enriched uranium for nuclear reactors: that it must not be reprocessed without permission. Congress suffered this policy with the Nuclear Non-Proliferation Act.

President Carter was evidently not prepared for the outrage which greeted his policies in France. Germany, Japan and some other countries. There in Europe now for all the tion's positions, on reprocessing uranium that Europe needs for on the breeder reactor, on riches all its own); Europeans depend on America for their might be as uncomfortable as figure described it recently as depending on Middle East "a bunch of ecofrodes" countries for oil: Some are even spread of nuclear weapons;

Clearly, the United States could not impose an energy policy on unwilling allies—not if it wanted them to remain allies, anyway. President Carter suggested a technical study which he hoped would point the way to a policy which might re-place an American diktor. This became INFCE.

Although the INFCE discussions were supposed to be purely technical, the familiar arguments emerged, albeit wearing technical clothes.
Thus, the United States said

that recycling fuel and building breeder reactors was not only dangerous, but unnecessary, since there is enough uranium in the ground for decades to In the INFCE working group

devoted to uranium resources, an American geologist backed this up with an optimistic paper about uranium supplies, but this was criticized by most of the Europeans present. They argued that once he went beyond the firelight of known deposits into the semi-darkness of probable resources and possible resources, the availability was much less sure, and they certainly were not going to rely on the stuff being there.

Whether it is necessary to recycle uranium and breed fuel depends also on how much demand for power there will be. European economists' projections of future demand were higher than the American.
One INFCE working group
was devoted to breeder

. 45.0 2

gra mai

reactors, and as expected, the American forecasts for the cost and performance of breeders were more pessimistic than the INFCE has now concluded

that, contrary to the United States view, breeder reactors need not add substantially to the danger of nuclear prolifer-

It also comes closer to the European projection of demand than to the American However, this is not an end to the debate; it is a signal for its resumption. held over pending INFCE's conclusions, United States shipments of nuclear fuel Euratom countries were suspended briefly because of this-disagreement but resumed pending negotiations and a new agreement after the INFCE re-

cause Japan sends used fuel to Windscale for reprocessing, and since the fuel was originally bought in the United States, it has to have American permis-sion to do so. Permission has been given so far on an ad hoc basis, but some permanent guidelines will have to be set.

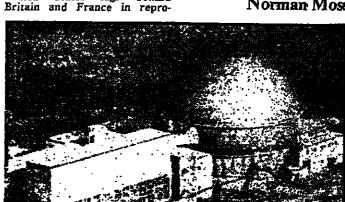
All the transatiantic argu-

ments have their counterparts inside America. Many Amerithe tion's positions, on reprocessing, uranium supplies. The nuclear power industry regards the Carter Administration as

The INFOE report will lend sceptical about the supposed strength to those inside America American concern about the as well as outside it who argue for a change in American policy. they suspect base commercial it will not guarantee a change, motives, particularly as the particularly in an election year.

United States lags behind

Norman Moss



Windscale : a nuclear waste plan.

Two warnings against hasty action on the Employment Bill

At present the headlines are recognition, thus ensuring that controversy as he can, in order full of the steel strike, not so at least in this area there to ensure its long term future long ago they were dominated will be more industrial dislong ago they were dominated will be more it by Grunwick. Will we learn as putes, not fewer. little from the present dispute as we have from Grunwick?

ask this because clause 16 of the Employment Bill will the statutory provisions in the ciple into the Employment Pro-Protection Act Employment governing trade union recogni-

At present sections 11 to 16 of the Employment Protection of recognition disputes Advisory, Conciliation & hitration Service (ACAS) for adjudication. On any dispute referred to it ACAS is required to investigate the facts, to ascertain the opinious of the workers involved, and then report with a recommendation, if any.

Most people concluded from the Grunwick affair that it would have been much better if ACAS's powers had been stronger. If ACAS had either had the power to enforce a ballot, or to enforce its recomwould have been no Grunwick dispute.

You would imagine that it would be a natural development from Grunwick, and indeed other cases, that the law on trade union recognition would if anything be strengthened. Since we have a Conservative Government introducing a Bill designed to strengthen the law in industrial relations on the grounds that it will reduce industrial disputes, it is which rests on a voluntary surprising to find it simulapproach". Behind that is the taneously deleting altogether the existing law on trade union take ACAS out of as much

The path to more strikes

Why? The answer is not self why? The answer is not sent evident. It was the previous A factor, undoubtedly, in the conservative Government Secretary of State's thinking was a letter from the chairman for the statutection Act, changing only the framework and the machinery. At last (it seemed) here was one industrial relations principle which had the support of both major political parties as well as the TUC.

Why, therefore, undo such agreement? Trade union recognition actually confers important legal rights on employees in a recognized union. It is not unreasonable for there to be some legal means to secure those rights where there is a good case and voluntary procedures have failed. Further, section 14 of the Employment Protection Act requires the individuals concerned to be consulted about their opinions on a recognition issue before ACAS makes a recommendation. Why is it that a Conservative Government wants to stifle rights

such as these? The reason given by the Secretary of State for Employment in the second reading debate on December 17 was that the operation of sections 11-16 of the EPA (which constituted the "compulsory ele-ment" in ACAS' otherwise conciliatory role) "jarred with every other aspect of its work, which rests on a voluntary

of industry can repose confi-

debate about secondary picketing. What it does is to abolish the statutory provisions in the dustrial Relations Commission.

debate about secondary picketing. What it does is to abolish the statutory provisions in the dustrial Relations Commission. Under sections 11-16 to be restrike at all. Let us look for reasoning was that a number of the reasoning was of ACAS asking for the statudoubt on the degree of discrerion that ACAS desired to deal with recognition references. Final decisions on some of these cases are, however; still awaited from the Lords.

Only the employers—the Confederation of British Industry and the Engineering Em-ployers' Federation CBI ployers' Federation CBI and the EEF—are actively seeking the repeal of sections 11-16. It was not something for which the Conservative Party sought a mandate in their manifesto—the subject was not mentioned. The TUC have not sought the repeal of these sec-The case for the simple

repeal of sections 11-16 of the Employment Protection Act has not been made out. The whole issue is being handled with the most unseemly haste. I do not argue that the present provisions are perfect (in my association's view they should he strengthened) or that responsibility for handling them should necessarily stay with ACAS. But, if there are genuine problems, time should he allowed to consider solu-tions. Clause 16 should be withdrawn to provide that

John Lyons The author is general secre-tery of the Engineers and Managers Association.

Pitfalls for Mr Prior

It is a silly man who claims the past have failed because If, bowever, the amendment that in an industrial dispute they have not had that back on secondary action does not the blame lies only with one side. It would be an equally foolish man who said that the the foolish man who said that the foolish man present steel dispute was all the fault of the workers and that draconian new laws were needed to force them either to

First, there is the demand for an end to secondary picketing with the unions being held financially responsible for the actions of their members whether the dispute is official or unofficial. Second, it is proposed to stop all secondary actions such as blacking or sympathy strikes again with unions held responsible. Third, there should be mandatory strike ballots and coolingoff periods. Fourth, supplementary benefits for strikers' families should be stopped and tax rebates should not be paid to those on strike. Fifth, primary picketing should only be allowed by those involved in dispute and the numbers should be strictly controlled.

If all these proposals were enforced not only would there be no strikes, not only would the law be back before 1850 rather than 1906, but one of the fundamental democratic rights of the British people, the right to withdraw one's labour, would have been rendered virtually unusable. The law would be flouted on a massive scale and its enforcability would become even more impossible.

The principle behind Mr Prior's strategy is therefore, that the law must have the backing of those to whom it applies. Conservative attempts to introduce such legislation in

decided, as they are the most disruptive and the most dangerous to our industrial rela-tions future, are secondary picketing, already in the Employment Bill, and second-ary blacking, the limits of which remain to be agreed. Most workers

themselves being picketed by men with whom they have no connexion and no sympathy take exception to it. A good Sheerness steel works. Mr Prior's principle therefore applies. To allow an employer to bring an injunction against such activity is entirely right. It has the support of the employees and for the employers not to act would be failing to defend the right of his workforce to work.

The same applies to secondary action. An employer must be able to protect himself against a sudden closure of his works in support of a dispute in which he has no part and the outcome of which he can-

on closed shops and secret ballots? Consider again the steel strike. If the workers of Sheerness have been protected, what of the workers of Hadfields? They, too, could have been spared secondary picketing. When they were called out on strike they could have used the provision within the Employment Bill to have called for a postal ballot to asserting the views of the

ascertain the views of the members. If the union threatened to withdraw their cards they would be protected from unfair dismissal by the new clauses on the closed shop.

to deny the union the right to do so is to deny its ability to play into the hands of extremists, who would quickly make

So Mr Prior's Bill does go to find works it will be the first time since 1906 that the law has effectively returned to regulate unionists as distinct from employers. In the main it is a sensible

and workable measure, but will it stick? Certainly not if it is

to be rushed through Parliament without proper considers. tion and enacted to try to hring to an end one particular dispute where the rights and wrongs are aiready blurred. Nor will it stand much chance if other government policies are seen to be divisive and unsympathetic. When thousands will be losing their jobs through no fault of their own, when cuts will be biting into everyone's budget and tempers will be running high, the need will be for calm reassurance.

If we do not get the atmosphere right and Mr Prior's Bill fails, or he is forced into hardening its provisions beyond the level of acceptability of those to whom it applies, we will have shown that no democratically elected government can handle the unions within the law. If that happens, the blame will lie as much with the politicians as with the unions.

Richard Needham The author is Conservative MP for Chippenhain.

DIARY OF A WELL-DRESSED CHEAPSKATE

January is long past but the January sales are still with us may develop into something in New York, though under much worse. A store was different names. Price slashing advertising recently that it was different names. Price slashing advertising recently that it was is a year-round industry here. "in chapter seven" of bank-In February we have sales to ruptcy proceedings. It offered celebrate Washington's birth-day, Lincoln's birthday and St ing that any half-numerate Valentine's Day, and the Easter reader of newspaper advertisesales are not far behind.

If no suitable day provides a pretext to give the stuff away. then we have the assistant buyer's sale, where the deputy to the chief is given his or her head to promote bargains. If all else fails, there is always the bankruptcy sale. This is most prevalent in the

field of men's clothing, which the evidence suggests to be a high-risk business, whose prin-cipals are not shy about confessing their woes in public.

"Look, let's face it, we goofed", reads a typical advertisement. "We overstocked on these terrific European designer suits and now we have a cash flow problem, so we have to offer them at give-away prices.

On the radio the script differs only slightly. "So I says to my brother living." Irving you goofed Whoever goofed, the result is many a Fifth Avenue family They beg you to the same. come and take the merchan-

ments would enjoy an intimate familiarity with the bankruptcy laws and know that being in chapter seven meant that you were obliged to get rid of your most valuable possessions for a song.

Soon the cash flow problems

In advertising thus, the stores are continuing ancient New York traditional. A guide book published in 1872 has this to say of the Bowery, then the centre of the city's cheap trade:

"If one were to believe the assertions of the Bowery merchants as set forth in their posters and hand bills, with which they cover the front of their shops, they are always on the verge of ruin, and are con-stantly throwing their goods away for the benefit of their customers. They always sell at a 'ruinous sacrifice'. Yet smug fortunes are realized here and look back to the days

front."

Sometimes they can catch you off guard, though. The other day I thought I would drop into a shop near the office which in the 10 years I have known it has always had its windows papered with signs screaming: "Must raise cash" and "Lost our lease." It had closed down. Contrition is not the only

merchandising formula in use. Sometimes the buyers boast of their substantial coups: "We stepped in when the market was right and cleaned out the entire ranges of four famousname manufacturers, so we can offer these startling prices, though they insisted that we take their labels out."

Or again: "We could have offered the entire quantitylock, stock and barrel-to an out-of-town retailer. It would have been quicker, easier and more profitable . . but we're out to win thousands of new customers this year . . . our inventory man says they must go at this incredibly low price of \$39.95 (£27) . . . bring a wheelbarrow! Stock up!".

Unable to resist anything with even the faintest whist of passed in the dingy back room a bargain, I made for that of a Bowery shop, while papa particular store, which stands

'sacrificed' his wares in at the unfashionable end of the large showroom was bursting with rail upon rail of clothing. Though shortish and plum-

pish (ler's face it, short and something ready-made which fits and suits me. I prefer to wander round by myself, trying on the odd jacket here and there, but a salesman soon hore down upon me and asked if he could help. I told him I was looking for

something inexpensive t" cheap" in America has derogatory overtones not present in Britain) in a size 44 short. Without bothering to search the rails, he replied: 'I'm airaid there's nothing inexpensive in your size? stressing inexpensive and your. So much, I thought, for the entire ranges of four famousname manufacturers. Lucky I

left my wheelbarrow at home. Searching my heart for an explanation, I decided that perhaps I was too elegant, too well turned-out, for a shop of that doubtful quality. The salesman, a person of experience, may have sensed I was slumming that my real level was substantially up-market.



Brothers, very much at the right end of Madison Avenue, traditional home of the buttondown shirt and the dark ivy league suit. As I trod the thick carpets and watched the salesmen discussing hunting and fishing, in hushed tones,

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so vulgar as actually buying and Romania. This means that, anything) I felt that here per even before the Afgan freeze. haps I had found my spiritual "What size are you sir?"

asked the salesman as I told him, and received a rude shock. "Nothing in 44 shorts at all, I'm afraid", he said, and went off. I must have shown my dis-

escape to the lift, he came "We do have some 43 Too late. His first error had been terminal and I was

not going to give him a second chance. I took my waistline and my bankroll elsewhere. Elsewhere was one of those cheap department stores where you may browse for several veeks without ever locating a salesperson at all. They had a special offer on brown corup for not much more than

the inventory man had stip-

ulated in the other place. It was interesting for two reasons. First, it was made in Japan. The last suit I bought in New York was from Korca, To test the theory I called with the customers (nobody whereas the ones before that It had a seemingly normal belt few days later on Brooks appeared to be doing anything were from Poland, Yugoslavia with a buckle, but when I fas-

even before the Afgan freeze, Asia was replacing East Europe as the main source of adornment for the male masses.

Secondly, it had, as my last two or three have had, a waistcoat. (Americans cali them vests, and what we call vests they call undershirts. The purpose of a waistenat is to cover may, for before I managed to braces, which they call suspenders. To an American, braces are what keep your shorts", he confessed shyly, teeth straight. And what we "Would you like to try call suspenders they call earters, which are another garters, which are another story).

For the past year or two it has scarcely been possible to buy a suit without a waistcoat, though you seldom see people actually wearing them, because braces have been out of style for years. So what becomes of them? Is there, somewhere in the City, an exclusive runk shap (" Vests 'R' Us"?) where duroy suits and I snapped one they can be exchanged, sold, of

If so I have not found it, but speaking of sartorial mysteries. I came upon another a few months ago when I bought a smart trench coat (made in Korea again) at a bargain 529.

tened it I found the ends dangled down beyond the bottom of the coat, almost reaching my ankles.

I guessed that the Koreans had somehow got the belts mixed up—that the one on my coat was meant for some Buddha-sized person who was even now breathing in deeply to try to get his (my) beit done up.

I took the garment home coyly and showed it my wife, who solved the puzzle in-stantly. She pulled out from a pile of magazines a copy of the men's clothing supplement to The New York Times and showed me pictures of cleanfaced men with designer labels strolling together in their trench coats, the belts tied at the front in a knot instead of being fastened through the buckle.

So you should see me now, swinging down Avenue in my brown corduroy suit, with my trench coat knotted at the front, a living tribute to Oriental enterprise.
When I pass Brooks Brothers,
I am tempted to employ a zesture which would warm the hearts of the tailors of Tokyo

and Secul.

Michael Leapman

dimenuitule

£20,000m industry takes wary steps into 1980s

The two most important recent moves by Most computer manufacthe Government affect both the customer turers stepped more warily clearly feel that their arguand manufacturing sides of the computer have been expected of lower cost of production industry, Pearce Wright, our Science representatives of the technology which, by common thus secures more jobs, is
mendation from the first is a recomnot listened to. They might Editor, writes. The first is a recom- acclaim, mendation from the Advisory Council on regarded as the industry of get more belief in their case Research and Development for £1.5m to This may seem difficult to be spent by the Department of Industry on reconcile with the steady British Institute of Managethe start of a programme to encourage performance of most of the ment, with experienced comthe manufacturing and mechanical engiperformance of most of the ment, with experienced comcompanies, and the prosputer users among their
members, stimulated some the manufacturing and mechanical engi- pects opening with the neering industries. The other has been the spread of microprocessors. into productivity. Such a disposal by the National Enterprise Board tiplied severalfold the advance the cause, already of the Office of the Country of the Countr of its 25 per cent stake in ICL for £38m. The number of potential custom- started in another context, by the Finniston inquiry placement among 800 institutions and private investors must be seen by ICL as 8 vate investors must be seen by ICL as a man, professional firms of room. welcome mark of confidence in its future. lawyers, accountants, archi-

No. of	% геуепие	สองอานอ
	computers	per man
325,517	81	\$64,746
54,638	87	S44.328
62,000	74	\$42,113
51.000		\$53,686
89.044		\$42,282
40.000		\$35.925
86,300		\$41,112
42,400		\$40.754
11.085		\$57,104
6.500	71	\$106,000
	89.044 40.003 86.300 89.044 40.003 86.300 42.400 11.085	employees computers 325.517 81 54.638 87 62.000 74 51.000 68 89.044 48 40.000 100 86.300 37 42.400 38 11.085 90

	No. of employees	% revenue computers	revenue
Hitachi	138,690	17	577,900
Toshiba	113,800	22	\$68,954
Fujitsu	32.062	21	\$54,925
Cir-HB	г.3	100	05.,0-5
ICL	33,978	100	\$29,990
Olivetti	65.073	42	\$28,438
Stemens	322.000	. 5	S48 680
Nippon Electric	60.554	21	\$53,655
Philips	400,000	4	\$35,000
Nixdorf	9,200	100	\$60,217
Ok: Electric	14,201	35	\$40,490
Mitsubishi	na	5	•
Calculated from the	Datamation mag	azine's indu	stry prolile.

tects and the like, every some key service industries secondary school in the such as banking, insurance country, and many others the chance of becoming com-

sector is far from the dec-line that is bedevilling other areas of manufacture. The 85 per cent taken by North aircraft can all American manufacturers, sured. However, the industry does not yet have the political clout wielded by the inter-national oil companies and (to a diminishing extent) by manufacturers motor

That influence will surely formance. come if there is truth in the maxim that information is power. In the meantime here are questions weighing heavily on the industry, extending from the debate employment to the politics of the level of government

easier to assess. The cost of The world market in this terest charges on millions of pounds released earlier by electronic transfer of funds between financial organizaglobal trade is more than tions, and the sale of seats £20,000m a year, with nearly and the turnsbout time of

> suring improvements in pro-ductivity in the production, construction and turing parts of industry per-haps need more elaborate methods for monitoring per-Yet there eroment members of the TUC, CBI and the City that Project (MAP), share of world trade in manufactured goods reflects



Japan and West Germany capital reinvestment which than in the United King-might be expected to flow The average factory America more than with about £5,000 in the United Kingdom, and the office worker £1,000 com-

FORTH AND DEEDDILARY-18 1980 "

pared with £500. Microprocessor Application awareness, training, feasibi- work traditionally lity and application studies. four or five typists. More than 50,000 people

from this initiative.

The unions have certainly retrain and reequip workers ment has maintained the made for office workers with started 18 equipment like word proces- of buying and using computmonths ago, of courses in sors that can absorb the ers. work traditionally done by

from senior management to technologies cannot be un-

devices being employed per it is a little early to expect. Indeed a fascinating article ers cannot be overempha the basis on which it leases, worker in the United States, to be looking for a surge in the new magazine Com- sized. Companies have foun rather than sells outright, to Indeed a fascinating article ers cannot be overempha the basis on which it leases puter Age advises the secre- dered on this reef. tary how to take control of With American companies ticularly through improved

> tronic office. This periodical can be it is difficult for manufacresponded in a manner This periodical can be it is difficult for manufac-showing their wish for inno- highly recommended on the turers outside the United vation and their concern to evidence of its first two States to push through a issues. It contains for the genuine innovation in techfor new jobs. Some frighten- businessman, professional nology. Over the past yearing forecasts about unem- firm, teacher and individual the usual American confiployment levels have been a reliable guide almost dence has been sapped a litfor office workers equivalent to a computer tie with imports of micro-microprocessor-based lyhich on the ins-and-outs processors and computer equipment from Japan passing \$1,000m a year.

But the giant IBM corour or five typists.

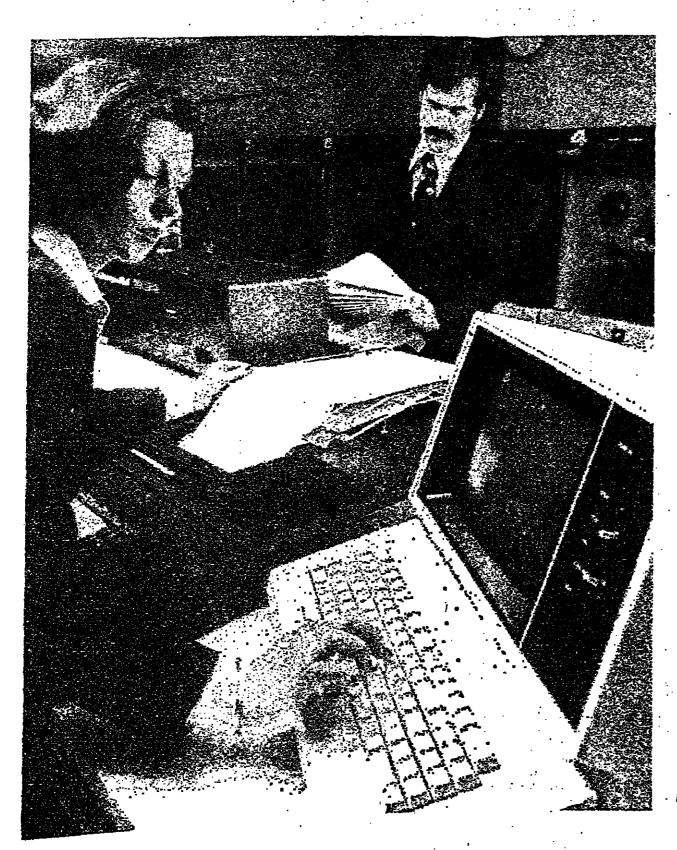
Uses the questions it exam poration dominates the busi-policies

The implications of these ines as a checklist, then let ness. And the maxim, which at the chnologies cannot be un-a tardy salesman beware. "when IBM sneezes, others lier than a tardy salesman For instance there are far shop floor have attended derestimated. But there is The price of technical mis-catch colds " was demon-nore microelectronic various workshops. Perhaps no cause for alarm. judgment in buying comput. strated last year. It changed

the operation of the elec- commanding 85 per cent of short-term rentals.

catastrophic in the medium.... was that involving Lloyd's

With all this behind us, no wonder we're in front.



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Some Middle Ages when, you all below is the disa my easily and pay "(so he are lettered in the first of a proper please, this is not a borfreely impressed by a first of the part of t In the Middle Ages when, you all know, is the dis-as my enalyst puts it, I was tance between blocks of

unite soldiers, Campari-sodas is needed to parity. Phew. and the Sunday joint) I have come to hate the jargon of the computer almost
typing this): "When Napo-

mother-in-law (or alternati- tion through the new comvely the seventh entry in puter at the office and dis-the aforementioned diction-"Absolute error", inconsolable. says the book, is "the magmisuade of deviation of a computed result irrespective computed result irrespective of sign." Well, all I can say demands, can they not is the magnitude of deviation at my school led to expulsion and the result last factor; replies crossly:

Why, she wants to know, is there a need for all this being considered, in a computer jargon. Why, she being considered, in a computer jargon why, she is there a need for all this being considered, in a computer jargon why, she wants to know, is there a need for all this being considered, in a computed to speak English like the rest urated to compute with expulsion and the result last factor; replies crossly:

Texas Instruments, and

What about page 224 of thing called software. the dictionary? Entry: "interblock gap" (which, as John G

and beyond.

Philips are

in a position

to share our

view-point."

"Banks today are planning

Banks have always been closely involved

with new developments in computing. Many

major advances in data processing are the

the banking community and its computer

The Philips PTS 6000 Financial

operation with a leading European bank, the

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Computers that

talk your

language

Terminal System is a good example.

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with 25,000 cashier positions in banks,

building societies and local authorities.

talk your language.

ം Data

result of co-operative relationships between

for the eighties

out anst computers were merely tools of men (she obviously had not seen ber is odd it has odd parity. A bit added to a group of bits to make the sum of the bits (including the parity bit) always even or always the Penguin Dictionary of odd, eg with a set of six of six

leon" (her chesmut geldprinting errors in the Daily
Another Newspaper.

Take, if you will, my later fed all this informaturned into a mare. ffiona is

Why, she wants to know of sign." Well, all I can say demands, can they not is the magnitude of devia-speak English like the rest urated to compete with technology which could urated to compete with technology which could urated to compete with technology which could prove more significant.

The colonel (here expulsion and the result last father) replies crossly: time I was irrespective of "Because they are not sign was a masty run-in with the traffic cops at Reigate. I dier. By the way, ffiona's the traffic cops at Reigate. I dier. By the way, ffiona's daddy is big in business nowadays—he is in some-what about page 224 of the dictionary? Force: "in-

John Groser

Lynda King Taylor examines government policy on micro-electronics

Bold investments belie a conservative tradition

tronics sector.

The NEB has various electronics revolution will selective support interests be more widespread in dustry from Nexos, which nological development. Over was set up to market high the next decade microtechnology office equipment with an initial commitment of £40m, to Data Recording Instrument, a computer loped countries".

peripheral equipment manu- Much more at

NEB has also a £25m com-

Europe in general and the Un yet another scheme, sive schemes under way: the country's leading industrialists are being introduced to the potential applications of microprocessor decided by the Government to provide support echnology. Part of the Microprocessor Application Properties and the MAP is aimed at scheme which has a £16.7m alerting the country's industry in word processor with single-line display, is expected to challenge the Americans.

tronics will exert a pro-found influence on industry

Much more attention is facturer, into which the being given by the Govern-NEB has made an invest-ment to the short-term pro-ment of £12m. gramme for establishing a viable British manufacturing base and capability in the longer term implications of

and commerce in all deve

The Department of In-United States in particular. dustry has two comprehen-

Wary steps into 7980s continued from previous page manufacture of unicroproces-Another example of the The role of the NEB pervasiveness of IBM is under a Conservative Government

apparent in the microprocessor part of the industry which manufactures memwhich manufactures mem centres Additionally INMOS ory chips, and the type and INSAC are embroiled in designated 16K ram (mean other controversies. The ing 16,000 characters of ran first is a direct political dom access memory stored. dom access memory stored wrangle over the choses on a microchip) in particlocation, Bristol, for INMOS.

There because IBM alone is firm, backed by £25m of reported to have ordered public money, to be elseabout 25 per cent of the where. The disagreement at world supply of these INSAC is a management disdevices, in long-nerm con-pute, on fundamental techniques to three wears because it was a management because it is a management of the constant of the consta tracts of two to three years nico-economic matters, be amounting to a total of 30 tween partners of the commillion devices. Many of sortium. who are undercutting many of the companies which in Silicon Valley, California.

sor systems.
The role of the NEB ernment places some auto-matic questions about the

Other a shortage regions are pressing for the nico-economic matters, be-

drums facing United King- about 90 per cent up on the

dom firms. A lot of atten- previous year.
tion focuses naturally on Perhaps the most signifi Government's policies cant indicator is an output

are coming from Over a much number ese manufacturers period successive government many ments have nursed ICL, the European computer microprocessors maker, through its evolution alley, California from numerous mergers. Their dilemma can The company turned in its scarcely be regarded as most successful year, with a acute as some of the conun-pretax profit of 51.9m.

Malcolm Peltu considers the challenge of software

Irresistible force meets immovable object

a vice-president of one of the mactaine. I not is way the leading silicon chip manus ame microprocessor can be facturers. National Semicon-programmed to do many ductor Corporation, describded this battle as "the irresistible force of microelections."

Learning how to program strictly in the problems arise tronics "meeting "the im-when developing completions arises are researce." movable object, software".

The minister of Employment, Mr James Prior, coined a phrase at last month's meeting of the National Economic Develop. An error in a software ment Council which should program is called a "bug", be printed on every computer sales brochure. like a spend most of their time government bealth warning: "Chips are cheap but soft."

"Chips are cheap but soft."

government health warning:

"Chips are cheap but software isn't."

The experiences of computer users over the past
that two thirds of the costs
aware isn't."

The experiences of computer users over the past
that two thirds of the costs
have produced some chear
guidelines and warnings.
The most important lesson
its The most important lesson
is that hardware—the
machinery which you can
pick up and touch, such as
and vip and touch, such as
Although there is
munical cost of the costs
and visual display screens—
is the least of the user's
problemis and, increasingly,
the less significant part of
the cost. Most of the problems and the costs arise
information about computand systems.

It is a sign of deficient
information about computware in metal.

It is a sign of deficient
information about computware in metal.

To the superior of commany bugs are created as puter staff both in the
design process and in sorting out the problems of isobs avested that something
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poorly designed systems desoliware is different from
poorly designed systems dewritten, it can be copied
into software enintro soliware developintro soliware program is
distributed by a medsoftware.

Another way in which
are solved.

Another way in which
ing out the problems of isobs avest of design.

Another way in which
ing out the problems of software developintro production, field and included in the attract staff, as well as the
least of the user's
problemis and, increasingly,
the less significant part of
the cost. Most of the probelements—software
and systems software write, in can be copied
from two latangible but
are solved.

This should be remen.

The significance of software
such as any precipitation of software
the cost as a sign of deficient
information about computmants. If civil engineering
information about computmants. If ci

In its fight to cut the cost tively speaking, software of computing, the micro- has the ability to turn a chip faces a persistent foe: plano into a violin and the software. Mr Robert Heikes, violin into an accounting a vice-president of one of the machine. That is why the

> resiable, mass-produced soft-ware products which meet the standards of engineering which are normally last which are normall the expected by the consumer.



It is a sign of deficient ments. If civil engineering portion of the total cost of information about compute was in the same state as computer systems.

It is a sign of deficient ments in finite various about computer as in the same state as computer systems.

It is a sign of deficient ments in finite various about computer as the information about computer was not as the same state as computer as production, there is made of the nature of micro-electronics has helped and the software came free the information system to cut the cost of raw computer power and equally specialized technology—can be assumed to be known. Software gives tems contain hundreds of large software systems. Software gives tems contain hundreds of large software systems. Software gives tems contain hundreds of large software systems contain hundreds of large software systems. Software gives tems contain hundreds of large software systems contain hundreds of large software systems contain hundreds of large software systems. Software gives tems contain hundreds of large contain hundreds of large produced in a typical purer processing power a decade, IBM introduced the computer processing power and contain hundreds of large power and contain hundreds of large power and contain hundreds of large power and flexibility which instructions and can take an an apport tems of more than one hundredfold. In a software one computer processing power and contain hundreds of large power and flexibility which instructions which can per one difficult in the systems and power in an every system to the software of maniferation in the systems and power in an every system to the software to the system power and can take an an approach of maniferation and the way in failen far less dramatically, computer and micro-computer processor, it is possible to write a simple program very quickly, which read to be produced, have not been subject to be made of the way in failen far less dramatically, computer and micro-computer processor, it is possible to write a simple pro

hardware cost in 1962 was £683,000, which by 1969 had fallen by well over 50 per cent to an equivalent of f293,000. In 1979, this had dropped to £69,000 or about 10 per cent of the 1962 price and about 25 per cent of the price 10 per cent before of the price 10 years before. This is probably a realis-tic guide to the fall in the price of hardware, but it does not take into account the costs involved in software and systems, which in 1972 was probably less than

20 per cent of the total system cost but has risen to about 70 per cent.

For much of the 1970s, there has been an acute shortage of software and systems staff. At the same time, the fall in hardware prices has led to an increase in computer use which in

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II Can STOD LIME so providing greater purchasing

Between the years 1811 and 1816, a band of textile workers had just the answer to the threat of technology.

They literally threw spanners into the works.

And smashed up the new machinery which they blamed for their unemployment and distress.

If this attitude had prevailed, weaving would still be a cottage industry.

eps into

Ploughs would never have exceeded 4 horse-power.

The steam engine would have lost out to the cart driver.

And Britain would never have become the economic power that it did in the late nineteenth century.

Yet the action of the Luddites carries a very instructive lesson: it's not progress itself which is the threat, but the way we adapt to it.

For without technology, a nation's progress would undoubtedly falter.

Machines bring down the cost of production.

Which in turn either creates greater profit for reinvestment, or holds down the costs of the product, power for the pound.

The result is greater wealth the ideal climate for increased employment.

And machines that relieve man of the tasks that limit his personal fulfilment.

Smashing the clocks might destroy the mechanism of progress.

> But it will never delay tomorrow.



Unions accept the inevitable

Labour movement's aim is early involvement

The trade union movement, which initially showed hostility to the introduction of new technologies because of fears that microprocessors would cause large-scale job losses, is awakening to the need to become involved in the planning and introduc-tion of high technology

working methods.
Unions, led by the TUC, have realized the inevitability of the chip and in recent months have been conducting thorough investigations into the effects not only on jobs but also on the United Kingdom's ability to contracts. compete effectively with more advanced oversess more adva

The overall thrust of the union argument—expounded in the TUC document Employment and Techno-logy which received backing from Congress last autumn—is that there bas to be large-scale public fund-ing of the United Kingdom's microtechnology industry, and that unions should be involved at the earliest stage in the introduction of new systems in the work-

new systems in the work-place.
As Mr Len Murray, TUC General Secretary, said in the foreword to the report:
"The new technology has been described as 'the second industrial revolu-tion'. We have to ensure trial revolution, this second revolution now upon us will not trample underfoot the those directly affected in the process of change. This authorities than 100 retirement

What is needed is a coor-dination of economic, indusrial and social policy tion of new technology will economic measures across the dificulty distribution of new technology will economic measures across the dificulty distribution of the employment and the report Their reconomy, including national, suggested that would TUC report to the



Bodyshell production line built by robots.

better provision for trade entails a much greater role union and public di , by government and the pubtor : workers on improved pen-

union movement the The believes that the introduct technology industry and its. An area of work in which tion of new technology will economic and social consenew technology is making

As an extension of the while 10 years ago for the Fiat Strada, the car TUC's policy forming procents were needed cess, a delegation of senior generate similar revenue. Workers' Union and chairsities and polytechnics. "A
man of the TUC's influenmajor training and educatial economic committee, tion effort is needed in the
visited the United States United Kingdom in order to
late last year to examine take the best advantage
the growth of the microtechnology industry and its

union men led by Mr David

The report also strongly

Basnett, general secretary of advocated closer links bethe General and Municipal tween industry and univer-

trial and social policy measures across the different levels of the economy, including national, industry, company and plant levels. This poses great challenges to the trade union movement itself, which must develop its structures, policies and capacities to meet these changing demands."

The TUC suggested a list of priorities for union negotiators to pursue when new technology is to be introduced into a particular industry. It argued that in order to safeguard jobs, unions should seek a 35-bour week, a reduction in systematic research staff and officials of affiliated unions.

The companies and social consequences are quences.

Their report and the main TUC report were submitted to the National Economic Development Council meets to the National Economic Development Council meets affected.

"Application of microelectrodics to clerical and confederation of microelectronics to clerical and retail work—for example in ter. The result was that the retail work—for example in the National Economic Starting changes is the office, where word processors can handle enormous to the National Economic Development Council meets and office, where word processors amounts of information Development Council meets the National Economic and the main TUC report were submitted to the National Economic Development Council meets the National Economic and the main TUC report were submitted to the National Economic Development Council meets the National Economic Development Council meets to the National Economic and the report charge and accuracy. The threat to jobs among white-collar workers is provided by the Prime Minister. The result was that TUC and Confederation of industry has already seen the introduction of new technology is making quences.

The ture all work—for example in the National Economic and the report had not the national formation of the National Economic and the report had not the National Economic and the report had not the National Econo startling changes is the

Managerial Staffs, and Mr Barrie Sherman, the union's

published by ASTMS, Mr Shermen describes the need for unions to be involved right from the start of the introduction of new technology into a company. To strengthen unions' rights to consultation, he calls for British equivalent to the Joint Regulation in Working Life Act, which became law in Sweden three years ago.

principles for trade unions: any matter which concerns them; the right to informa-

making a determined effort to come to grips with the impact of new technology.



- Invaluable aid for a comptex industry

Making air travel free of trouble

director of research, in their increase in the number of west migrating for their annual Like all tour operators, management information, accounting the locations are linked to the BABS, by way of more than the BABS, by way of more than the BABS, by way of more than the BABS system holds of united Kingdom visitors. In the first three quarters of 1978, more than 6,500,000 United Kingdom view of the babs as well as British Air use of the disposal of the stock while withstanding the systems to the travel in the system Aid Group in the stock while withstanding the systems to the travel in the system Aid Group in the sys air, and during the similar This Act enshrines three period in 1979, the number was 7,695,000.

According to the Department of Trade (DTI), most tion; and the right to of these air travellers went demand that the status quo abroad for holidays. Of the be applied until agreement 6,500,000, just over four mil-British unions still have a day, and nearly three mil- achieve sales greater than cient and economic for tra. Tourpars is far may to go but the lea- lion of those were on pack- in 1979 when it sold more vel agents who have only to advanced than an lion were abroad on holilong way to go but the lea-dership, has at last started age, or inclusive, tours.

In the first nine months last year the number going abroad for a holiday rose by David Felton 750,000 to 4,898,000, with more than three million on

package deals. The DTI says that in the winter of 1978 a further customers can choose on or revenue because of 1.250,000 flew abroad, just average from 700 hotels, 70 errors and delays, especially over a million of whom flats and tavernas and 30 during the transition from were part of the inclusive differing groups of villas. provisional bookings to fully winter of 1978 a further winter 1979 figure is not yet known, the Association of British Travel Agents and the DTI say that it will be much higher than the 1978

North America, It is this increasing trend towards air travel and packaged holidays which has resulted in British Airways pioneering the computerized reservation and services sys tem known as BABS.

It is not just the problem of volume that has made it necessary for the travel industry to become computerized; it is also the complexity of the system, with its multi-choice of destination, and customers demanding that their flight and holi day bookings should be both cheap and reliable. It is a fiercely competitive, costoriented industry, becoming

nore so as it grows. The growth factor is problem, for no sooner is a computerized system intro duced to cope with the pro power required cessing reaches seturation point.

An airline such as British Airways always appears to be in a reequipment pro gramme. Indeed, the equivalent of 800 man years of development has now estab lished BABS.

It is the largest and most comprehensive service system in the world, bandling more than transactions a second at peak times involving more than 15 million passengers. More than 3,000 screen and printer terminals are linked to the BABS system in 225 different worldwide locations, extending from Oslo and Stockholm in the north to Cape Town and Christchurch in the south, Pearce Wright and from Hongkong in the

The advantage to a tour tem Aid is the leading inde pendent supplier of company's major systems for the industry.

To view the complexity of and advantage to a tour tem Aid is the leading independent supplier of company systems for the industry.

To view the complexity of and active on a risual discrepancy is a powerful tem. Tour pars, is a powerful tem.

To view the complexity of and active on a visual distribution the tourist industry consider play unit (VDU) at any administrative the tour operator Thomson moment throughout each ling system that the complexity of a complexity of the tourist industry consider play unit (VDU) at any administrative theorem and throughout each ling system that the complexity of the complex than 925,000 holidays. copes with about get an accurate and entire

300,000 booking transactions position regarding reserva-a year, and the volume of tions and alternatives on discussion and inquiries far any one of the million holi-exceeds the bookings figure. days being offered. It flies out of 22 United Therefore it is vital that Kingdom airports with the computer software sysabout 8,000 recura flights to tems ensure that there is no 60 global destinations. Its loss of customer confidence

Over the past 10 years the east to Los Angeles in the Thomson must offer a processed holidays. The sy increase in the number of west.

People travelling by air and As well as the high which advances its reputa-handle every major task, it is reputa-handle every major task. network, more than 400 furmust keep pace with the and control, ther locations are kinked to trade.

BABS, by way of more than Like all tour operators, management

administration and account

advanced than an airline reservation system, for ir addition to the airline book ing, it handles hotel reserva rooming lists and payment to hotels and airlines. It senger bookings each year for major tour operator like Global of London Sovereign and Enterprise.

Lynda King Taylo,

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"As an accountant, I'm often asked about computers. I usually advise people tohavea

Most businessmen agree that computers are today's answer to accounting and overhead problems. But unless you're something of an expert, most computers look the same.

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Areas of research opened to many disciplines

centre of network

Over the next 18 months The Science Research. brought into operation that which also embraces the open territories of research Rutherford Laboratory, near hundreds of scientists. Both universities machines are at the science Britain. It is perhaps the Research Council's Dares best demonstration of the tish universities in the fore. ing and science. Advances front of a wide range of investigations of importance crystallography to subjects as diverse as aeronautical aeronautical engineering.

The first to come into service later this year is called the other hand, there are a synchrotron radiation eminent scientists source: it generates an intense beam of light and Xteristics of this radiation unqualified blessing. allows novel methods of analysis to be applied to readily available computer materials that will range systems as a substitute for creative thinking. This type from muscle tissue and of dilemma, provoked by large protein molecules to advanced technological compounds.

The second machine is facility, which describes its seen to keep this expensive job of probing the characteristics of the nucleus of atoms across the whole range of elements from tific reasons. hydrogen—the lightest—to uranium, the heaviest.

The number of research groups preparing to use this network that was already apparatus again spans many providing a powerful com- IBM 370/165 system. Professcientific disciplines. Their interests are as varied as seeking to understand the mechanisms of complex chemical reactions, thus producing data for the subsequent design of more efficience. Sam Edwards. He limit has been reached in Science and the subsequent design of more efficience. interests are as varied as cient industrial processes, has in the past criticized and replicating in the labor- the ability of the computer atory in microcosm condi- to tions to help astrophysicists worker to explain strange pheno. thought, from observed ground-based and orbiting

Besides these two multimillion-pound pieces of puter services if the new equipment, a third develop- equipment were to be used ment has been necessary. It effectively. is the creation of a network the analysis of proteins, funof computers, that has at its centre at Daresbury, one of biomedical research, the machines regarded as 10 molecules consisting of up times more powerful than to 8,000 chains of atoms can any other computer avail- be pictorially reproduced by

two new machines will be Council computer network, a modest level of complex brought into operation that which also embraces the ity. The use of synchrotron inaccessible to Oxford, interconnects with throughout 100,000 to be understood

bury Laboratory in Ches. symbiotic relationship that plasma physics which have hire, and they will put Bri is claimed between computing implications for the design of nuclear fusion reactors in many areas of research such as nuclear physics, research and have been attributed to a Cray-1 cannot handle the

breakthroughs sible by installing a new generation of computers. On wbo maintain that advances are no reason to bestow upon the computer rays. The special charac- the reputation for being an sion, says that fusion experi-

metals and crystals of syn-equipment, is not a new thetic and natural chemical one. The installation of electron microscopes and new types of spectrometers in university departments talled a nuclear structure has led to pressures to be apparatus occupied. The consequence is that research projects are not necessarily physics. designed for the best scien- Before

> this Considerations to install a Cray-1 in a puter service by any standdeflect a ker from

But the assessment of proposed studies with synchrotron radiation source and the nuclear structures facility showed damental to many parts of existing crystallography.

figure, being spurred on by But, as proteins go, this is the cheaper air tickets to radiation and a powerful

demonstrated for studies in ing to test theories about the forces at work in distant parts of the universe. Even a network including

models which some physi-cists working on fusion cists working on reactions would like. Dr Brian Davies, the head of Daresbury's computer systems and electronics divimenters will be able to work on two-dimensional modelling with great accuracy. Ideally they would like to have the computer capacity to work with precision in

three dimension Examples of how worth-while areas of research have been opened, many of them not related to the use of the new Daresbury accelerators cover oceanography, theore-tical chemistry, statistical mechanics and molecular dynamics, and solid state

Before the addition of

Cray-1 a powerful network nature were examined speci- a wide range of minicom-fically before the decision puters, microprocessors and interconnected through an ard. That scrutiny was made of Daresbury Laboratory, by a working party of maintains that the science the design of machines.

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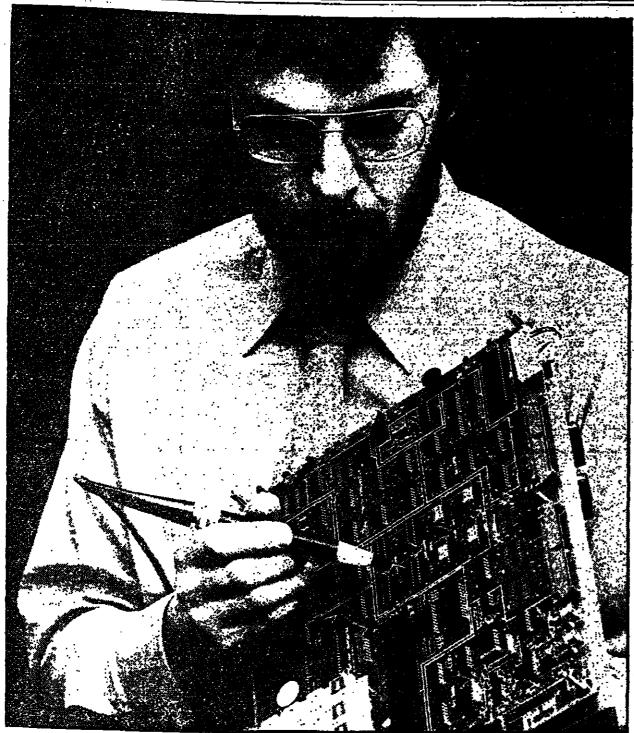
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That's the question which the March issue of Practical Computing

Also included in this issue are reviews of low cost business systems, together with features called Sheepdog Trial.

is informative and entertaining. You could learn something to your advantage ...

ng monday eerriiary-18 1980 ... 5



A student at the Microprocessor Education Centre, Central London Polytechnic. Photograph, Andrew Ward

Some say schools not producing the right workers

Manpower and skills still scarce

A cursory survey of 70 com- lished in 1977. One of its equipment and total systems

In fact, the manpower sub-dicates that a high number committee of the Electronic of employers state serious Computer Sector Working shortages of engineers, pro-Party (SWP) of the National grammers, analysts, com-Economic Development puter operators, as well as Council (Nedo) was estab- system designers.



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Despite lucrative offers of the Technical Activities puter users and manufactesks was to tackle this of high salaries—mostly in Centre at the Sevenoaks turers has shown a continu-skills depression by identify-the £7,500-£12,000 range for School in Kent. The school ing shortage of manpower ing the most serious labour technical staff and about has 900 pupils and at and skills within the micro-shortages and highlighting the shortcomings of training salary for present 100 are fully sub-electronics industry. The the shortcomings of training managerial staff—the mar-scribed members of the ket place still does not which the second the salaries—and total sustants. The micro-salaries that the salaries are not the labour accounted which the salaries at the Sevenoaks to fight salaries—mostly in Centre at the Sevenoaks turers has shown a continu-skill sustant. quipment and total systems. Their report, The micro-attract the labour required which was set up 15 years scarce.

Commercial systems and total systems. Their report, The micro-attract the labour required which was set up 15 years scarce.

Commercial systems and total systems and total systems are described in 15 years scarce.

Commercial systems are up 15 years to satisfy the demands of ago by Dr Sommercial Any The problem is not new. Highed in 1978 by Nedo, in-the growth industry.

Commercial systems and total systems are up 15 years to satisfy the demands of ago by Dr Sommercial in-

The SWP in its report terest who displays initial was concerned about skill tree, usually in the age shortages and that any group 12 to 13, can be expansion within the microelectronics industry would exacerbate problems unless much of our labour skills steps were taken immedia- problem is based on schools' ely to solve them.

Dr Sommerhoff feels that

ting young people develop the unreasonable belief that engineering is all about being a mechanic or lathe operator. Schools then con-

sistently turn out this type
of individual when the

training developments

The Department

The courses at the Central

first principles to the design

of complete systems. More

advanced courses for non beginners train engineers to

develop microcomputer pro-

Dr David Collins, presi-

fically in the areas most affected by micro-elec-

tronics like communications

factory automation, military systems and office compu

The SWP was keen to see programmes initiated for or intellectually demanding the recruiment and train and be illustrates a school ing of large numbers of qualified people, and to fulfill this recommendation the recommendation that the recommendation the recommendation that the recom fil this recommendation would need government support on "a considerably larger scale than in the past". The report also recommended programmes to develop the awareness and use of microelectronics in the rest of industry.

of industry demands manpower for the electronic age.

Sevenoaks School used to

There are various schools have a ratio of two scienof thought on the reasons tists to one engineer; for the continuing serious that has been reversed. The for the continuing serious that has been reversed. The shortage. Some observers centire's recruits are intellerable that the source of the lectually stretched, underproblem lies with the taking some 70-75 projects schools and that secondary each year, half of which are education has not been in electronics. geared to producing a One o labour force with necessary skills for the 1980s.

Teachers state in various Department of Industry's debates that they have Microprocessor Application enough on their plate with Project (MAP) is the govjust the teaching of basic ernment-financed MEC, the skills, and it is unrealistic Microprocessor Education

skills, and it is unrealistic Microprocessor Education to expect the existing school Centre, based in one of the environment to be a breed-central London Polytechnic ing ground for future buildings at Holborn.

MAP has a f.16.7m committed budget and its aim is mitted budget and its aim is to alert people to the scope that computing is too alert people to the scope applied to be treated as an cessors. The scheme will academic skill and that programming can easily be sion of selected training self taught after school.

The technological advances dize the attendance of delemade in education, for gates, example Prestel which can The link its customer to world-dustry gave MEC £61,000—wide computer networks half the cost—and the through the telephone and Central London Polytechnic television screen, offer provided the rest in a dear scope for this home-teaching in 1979 with an American allow the student to crossquestion the computer in which the best minds in such fields as systems en-London Polytechnic MEC cover microcomputers from gineering and software have distilled their knowledge. With Prestel, some teachers programme learning and computer sciences can he easily self-taught outside the education system.

How relevant should education in school be to the dens of ICS, said the prochartages highlighted in the SWP report? The answer scales to depend an about seems to depend on whether one hankers for traditional education or a more ortho-

Is it likely that traditional Is it likely that traditional terization.

education with the direct. The Department of Inencouragement of a per dustry believes that the
sonal teacher could cope spreading of such courses
with computer science and "down the line" to individmicro-electronic learning ual industries is essential, within existing school but the retraining prosylkabuses? If one accepts an grammes, like the Polytech-orthodox approach that it is nic one, are vital as they better to use the skills of are aimed at removing the the most gifted individuals lack of computing skills. micro-electronic learning nal industries is essential for the benefit of all, then particularly within engineer-are learning aids like Pressing. This would go some tel, and an Open University way to prevent some of the system a more positive way skills shortages emphasized to train these skills? in the SWP report.

Dr Gerd Sommerhoff supervises the programmes

LK.T.

Growth of internal systems brings the question ...

Can you put a tax on data?

on data? How would a Cus- their part of the system. of our EEC partners. What switched telephone network. sort of a tax would it be? What the European Infor-

growth of computer-data communications companies.

lished more frequently in entrepreneurial on the United States, France other. worth tens of millions of The complete Europet pounds a year. Direct Information Access

partners in each country puter-based.

Is it possible to put a tariff made their own plans for toms and Excise officer Various data banks throughmeasure it? The questions out Europe can be interroare not academic. They are gated by the five main partmatters of discussion be- ners, and from many other tween officials of the gov- organizations invited by ernments and industries of them to link permanently the United States, Canada, into the network or join Germany, Britain and other occasionally via the public

Or to start at the beginning, matics Network has provided is an interesting meeting point between the comdirect consequence of the puter industry and the telenetworks, used as internal They have not only had to networks by multinational adapt their technical protooil and manufacturing com-panies for information pro-the industry cessing and communications the industry will operate or as global computer ser- safely and efficiently with or as global computer ser-vice bureaus by specialist the other, but they have had to accommodate to each For various reasons the other's attitudes; centres of these large bureaucratic on the telecomnetworks have been estab munications side and more

The European Commising, where it is cheaper to data service on the network ing, where it is cheaper to the same of its considering an auto-television set, enables Mr handle. Similarly, there is a mated office systems for John Busby, a property transfer from Germany to some of its own administration company director, to work France. It is big business tive departments linking up. from home.

is startling to find such a arguments as there are tend conversation in the form of restaurants. basic idea under scrutiny to be between the telecomwhen other projects are in munications administrations, cess. The quality of speech class mail electronically is part of the computer and hand with the aim of marrying computer and communithe British Post Office, over a computer-based telecomon an experimental scale by Set the lion's share of innothe choice of standards for munications system can prothe use of facsimile transvation. However, there are
transmitting and presenting vide a much wider range of mission Some communications.



switching funds transfer is to send

The Post Office's viewdata money from one bank or vice organizations operating finance house to another links the telephone to the television set, enables Mr and paper money. A private network being planned for company director, to work from home.

The Post Office's viewdata money from one bank or vice organizations operating international networks, provide customers with facilities that are more or less and paper money. A private network being planned for computer programs which, the banks in the City for though not written for handling transfer is being dling the text of revised. It will be some memoranda or letters per vears before the trend set organizations operating vice organizations operating international networks, productions operating the customers with facilities that are more or less network being planned for computer programs which, the banks in the City for though not written for handling of the text of the banks in the City for though not written for handling of the customers with facilities that are more or less network being planned for the banks in the City for though not written for handling of the customers with facilities that are more or less network being planned for the banks in the City for though not written for handling of the customers with facilities that are more or less network being planned for the banks in the City for though not written for handling of the customers with facilities that are more or less network being planned for the banks in the City for though not written for handling of the customers with facilities that are more or less network being planned for the banks in the City for the pounds a year.

Direct Information Access

Against that background the notion is not as bizarre as it sounds at first. But it using the network. Such method of transmitting a at cash desks in stores and to add up to a very pros-

the choice of standards for transmitting and presenting soluble barriers. One of breaking down global barriers. One of them, the European Information services like equivalent Antiope. But that offer a large network that has been under test on a sa-lall scale for nearly four years.

Based on centres in Switzerland, France, Britain and two in-Italy, it is a remarkable venture in that the partners in each country

the choice of standards for munications system can promunications system can promusion. Some company private networks have a more advanced practice, taking suggested that by 1980 the services for the subscriber. Indeed this is the technoday advanced practice, taking suggested that by 1980 the saverage of the special revenue from machines conditions and many includes such features as defining them, direct the earning from data transmission over these circuits in provide a much development.

In practice the new electronic of the subscriber.

The use of facsimile transmission. Some company private networks have a

In fact, a number of ser-

P.W.

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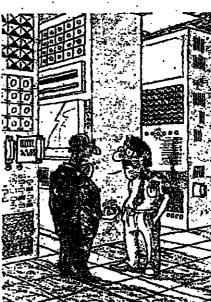
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electric

The enhancement of pro- lity, digital clock, lamp and the advanced home in Brustals, offices and hotels. His with the computerized digi- powerful mini-computer, the Instruments' speki, would like the kitchen audio alarms can also be sels, see the main appli-company International tal dashboard was consistination is changing. Speki, would devote is now a booming installed.

Cation of computers in run- Home Systems, spent \$3m dered an amusement. Today Observers in some semi-Micro-electronic thermo- ning homes and buildings as over six years to build it. it is taken more seriously as conductor companies like to her senior students. al heat models having a control stats offer a low-cost, high simply to save energy. Sup- At that price futurism as a its value to safer driving Fairchild, and National She also teaches program for an average family superior stats offer a low-cost, high simply to save energy. Sup- At that price futurism as a its value to safer driving Fairchild, and National She also teaches program for an average family superior s ted to electric space heaters, savings of 20 to 30 per cent homes computerized.

pressure to correct oil mix. factor of 10 each year, council computer. A better hour and one could take a

There are some homes where the computer wakes where the computer wakes where the computer wakes the control at the cocupants while running as the temperature they prefer. While they prefer. While they prefer. While the cook can program the coast and coffee and collected the mail.

There are some homes greater and more contended where the computer wakes while running and the focupants while running and the temperature they prefer. While they prefer. While they prefer. While they cook can program the cook can

Spell, would allow her to deeds of covenant. But devote more teaching time again the cost of the printer

car's worthiness, from air expected to increase by a minal connected to her local printer for about £5 each

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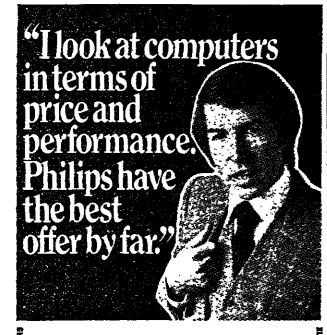




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Fantasy becomes a reality

Now 10,000 robots work in world factories

A robot is an extension of computer into the real a machine capable of calculating, in awful abstraction, the rate of growth of a tree, can actually experience that tree by moving around it, looking at it and touching Czech dramatist

Capek, in fanciful coined the word vein, coined the word "robot" in 1920. The day of the computer has made that fantasy a reality: there are now 10,000 robots at work in the factories of the world. But Britain, which world. But Britain, which shone like the morning star at the dawning of that day, has only about 150 of these industrial robots, and has been outshone by the rising sun of Japan, which has 5,000.

Arthur Porter, a research student at Manchester University, bolting together

combe is a senior lecturer (they recieve no government of computers, being fully in the computer science grant), they are providing realized department at Warwick) Warwick University with one Human perception and in- and also the spirit of adven- of these. There it will be terpretation of speech

Karel Capek invented the word robot for his play RUR. His fellow Slav, gineering at University College London, likes to emphasize the continuing importance of play in robo-tics research. Mr Ihnatowtics research. Mr Ihnatow-icz, a Polish-born sculptor, is self-raught in robotics. He believes that mechani-

cal motion is necessary for any artificial system which could be called "intellicould be called "intelli-gent". It is only by motion,

what it will do at any given Telford in Shropshire.



analyser (an analogue com-tical—mostly industrial—puter). His achievement was applications. "We are not reported in the June, 1934 looking for the singing-and-edition of Meccano Mag-dancing machine intelligacine. In 1971 Dr Michael ence", Dr Larcombe said, Mr Larcombe, of warwick thuatowicz and mi mian.
University, in a comparable Davies at University College pioneering venture, built his London are pioneering the first robot—the dog-like use of electrohydraulic Arfa. He, too, used Mec-robots to gather information. ture—almost of play—in mounted on the army bomb-which the original work was disposal robot which Dr Larcombe has converted for his experiments.

Most of Britain's robots

moment", he said.

The story of talking Science Research Council Although the implications machines can be said to have turned the proposal down, of robotics research extend begun in play—or, rather, to such exciting frontiers, it in whimsical speculation.

Jim Scanlan

don researchers have per- became Professor of Experifected a robot arm capable of 3° of movement.

Section of 3° of movement.

Section of the first part o pronouncements of the Delphic oracle might have of hidden tubes.

He went on to develop system and speech synthesizer. Professor Adrian Fourcin, Profes-Warwick thuatowicz and Mr Brian sor of Experimental Phone Arfa. He, too, used Mectorist to gather information thinking of combining the from the environment. They two to produce a speak-information thinking of combining the from the environment. They two to produce a speak-information thinking of combining the from the environment. They two to produce a speak-information thinking of combining the from the environment. They two to produce a speak-information thinking of combining the from the environment. They two to produce a speak-information thinking of combining the from the environment. They two to produce a speak-information thinking of combining the from the environment. They two to produce a speak-information thinking of combining the from the environment. They two to produce a speak-information in the electronic tele-devised by the European Law practise in their own offices. States, Soviet Union, ment. The electronic tele-devised by the European Law practise in their own offices. States, Soviet Union, ment. The electronic tele-devised by the European Law practise in their own offices. The Netherlands and the small black and white tele-the International Thomson directly to usage rather than movement and, to raise possibility which is only puter rechnology (Dr Lar money for their research now, with the development with Prestel services. There replace printed telectronic tele-devised by the European Law practise in their own offices. States, Soviet Union, ment. The electronic tele-devised by the European Law practise in their own offices. States, Soviet Union, ment. The electronic tele-devised by the European Law practise in their own offices.

sounds are matters of pat-tern processing. Inspired by an American computer which could interpret the patterns implicit in spoken chess moves, Dr Roger Edward Innatowicz, who is there is one British com- Moore, of University College a researcher in the Depart pany—Hall Automation at londer of University College -Hall Automation at London, has developed makes machine which can listen to a problem in arithmetic and The machines working in then pronounce the answer. factories today are the Professor Fourcin believes world's first generation of robots. They can perform their tasks only in an unchanging environment. Each cations in robotics. "The box one of these autistic recognition of patterns for robots lifts, for example, speech could have relevance must be left for it in to work on visual and tac-exactly the same position as tile processing", he said. Dr the box it lifted before. Michael Duff, of University by "an active interrogation Second generation robots College London's Physics of the environment", as he will be different: they will Department, whose research put it, that a computer be able to adapt to a changin parallel image processing could become aware of ing environment. Britain is could give robots eyes, was itself as an object relating already investing in what one of about a dozen people to other objects.

Mr Tom Brock, executive —including Professor Fourbr Larcombe's work secretary of the British cin and Mr Imnatowicz—

Both Association calls a from different deargement. seems to be moving towards Robot Association, calls a from different departments the development of such generation one-and-a-half at the college who got artificial intelligence. "It robot: the American competent to gether last year in an ingest to the point where, pany Unimation is prepareffor to create a "robot although I wrote the propering, with government help, centre" there. They envigram, I don't know what into build its PUMA robots—saged this as an interdisciplination the machine has which can work in cooperationary environment for robot-collected so I don't know tion with each other—at tics research. After considering their while it will do at any given. dering their application, the

Viewdata faces a testing time

Main contenders have diverging views

The next 12 months will be are difficulties because the directories, and they interro. The service gives access to the proving year for the Prestel concept requires a gate computerized data documents covering British development of viewdata multitude of organizations bases stored at the local and European case law and services. There are clearly to cooperate. For example, exchanges. liverging views between the the data bases are provided main contenders, with the and maintained on a commain contenders, with the and manufacture of the state of ost Office has attacked the and arguments about ediwidest market by transform torial control are among per-ing the domestic television sistent disputes. ment of britany. On mis-production contracts have et from an item purely for

entertainment into a home information terminal. The main thrust from the United States, illustrated by the two communications giants AT&T (American Telephone and Telegraph Company) and GTE (General Telephones and Electronics Corporation) is for networks rationed to businesses prepared to pay for access to third manoeuvre by the

The next question con-

is now pressing for an adaptor for less than £100 that ted British colour television could convert any television set to the Prestel service.

The French approach is of Plan télématique extends French PTT (post office) of rian telemanque extends phase of development will policy from the European under the government viewdata services into the come into operation for Law Centre says that the service approved Plan telematique public domain, so that part transmitting "electronic vice has been designed to will start by providing is like Prestel; but it is only thousands of telephone sub-offering a specialized service using a facsimile transceiver libraries of practices or conscribers with a viewdata disconniciated by the conomics can expected to sell for 2,000 porations and the small practices of the processing telephone which the economics can expected to sell for 2,000 porations and the small practice. play as an electronic tele-phone directory, that takes a leaf from the phone directory. that takes a leaf from the The Post Office idea of book of the services dedi-linking modified television cated to business and com-

sor Adrian Fourcin, Professor of Experimental Phone come a demonstrably attractics at University College tive idea, as witnessed by ter guarantee for the French a computerized law service. London, believes that Wheatstone may have been thinking of combining the United prospects for their equiphrency of the market called Eurolex to begin in the spring. It has been free usage for new clients to practise in their own offices.

Two pilot schemes, each of 110,000 displays, are being installed, one in Vélizy, south of Paris, and the other ment of Brittany. On this been placed with the two cerns the supply of adapted leading manufacturers of rights, tax, Council of Europe television sets from an inelectronics and telecomconventions and agreements,
dustry that is clearly not munications equipment, and so on. Printing or visual

> A decision to extend the service nationally is set for 1982, in which case a second a month.

The most recent example of the more specialized approach has come with the

The principal sources will include EEC Law Reports, Force, Commercial Laws of dustry that is clearly not munications equipment, vet convinced that this will become a mass market iary of CIT-Alcatel. An estimated price of 300 francs mouth to rent. The chargmade by the beginning of the year. And the Post Office minal is less than a twenting method will be based on usage, with a different rate of the year. And the Post Office at the price of the adaptor is thinking time while the terminal idles. The average charge is calculated at about

> A statement on pricing etioner. The only charge that is common to all users is a subscription fee of £1,000 whole range of data base for

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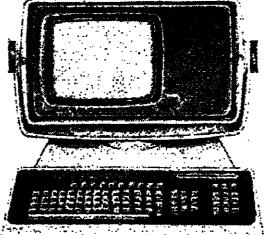
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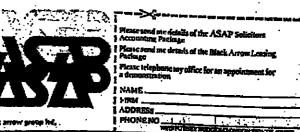
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COMPUTERS

Who will see and use the information?

Private lives will be handled and stored

The inexorable growth of

data-banking. Certainly, when those who use com-should be legislation to set Britain is far behind most puters to handle personal up a data protection authorities industrialized coun-information, however responsitive, an independent permantities in the countries in the countrie

1960s, and computers have dependent scrutiny; and in particular specifically linked to such Bills since 1969. In 1970 the Government set up the standards according to a committee under Sir Kenwhich the adequacy of safe ing the have the party cular systems. neth Younger to look at pri- guards in particular systems vacy, including the issues is to be judged.".

the role played by computers in its report published in much of the information them as follows:

In the gathering, handling and storage of personal information raises of considerable importance to the rights of the individual citizen and to the future pattern of our society.

What rights of access should individuals have to information stored about them? How can they correct data they feel to be growth in and the techniques who will be not provide any desired by most people as being particularly sensitive: to them are handled, why those data are needed, how which would they will be used, who will be used, who will use them, they will be used, who will use them, they will be used, who will use them, they will be used, who will be used, who will be used, who will not information in them as follows:

In the gathering, handling and storage of personal fit was not until late 1975 that the Government's remove the information in them as follows:

It was not until late 1975 that the Government's remove the auto
The sensitive areas—medical portion and them as follows:

In the information them as follows:

In Data subjects should know what personal data relating to them are handled, why those data are needed, how they will be used, who will use them, for what purpose, and for how long.

The committee took the individuals have to information and the techniques and used responsibly, with due regard to accuracy, with due regard to accuracy, with due regard to accurate and combined that the should have the right to see what medical and social services and for the purpose, made their work.

The sensitive areas—medical to them are handled, why those data are needed, how they will be used, who will use them, for what purpose, and for how long.

The sensitive areas—medical to them are handled, why those data are needed, how they what personal data should be and of the purpose, and for the purpose, should not consider that they should not have the purpose for subjects should know them are stolled by now them are should by no t

How can abuses be controlled, especially bearing in mind the ultimate horror of different computers being able to swop data among themselves so that, in effect, everything about every aspect of a person's life can be called up centrally?

The hesitant approach of successive governments over with the help of computers. Security and confidentiality. But the Government did not provide any detailed proposals for carrying out those aims, except for say-loss and establish a should be handled should be accurate and computer or not. But the Government did not provide any detailed proposals for carrying out those aims, except for say-loss aims different computers being able to swop data among themselves so that, in effect, everything about every aspect of a person's life can he called up centrally?

The hesitant approach of successive governments over the past decade suggests a failure to appreciate the possible implications of the drive towards computerized that "the time has come of the drive towards computerized to the resolution."

The hesitant approach of successive governments over the past decade suggests a failure to appreciate the possible implications of the drive towards computerized the possible implications of the drive towards computerized the possible implications. Certainly, Britain is far behind most of the called up centrally?

The hesitant approach of successive governments over the past decade suggests a failure to appreciate the possible implications of the drive towards computerized that "the time has come of the drive towards computerized to be a the time has come of the time to be fair, the times ams, except for say.

A No more personal data timely for the purpose timely for the purpose of the timely for the purpose of the timely for the purpose of the timely for the purpose timely for the purpose timely for the purpose of the possible to set the possible to set the purpose of the purpose of the purpose of the timely for the purpose timely for the purpose of the purpose of the timely for the purpose of the timely for the purpose of the possible to set the purpose of the

The inexprable growth of Although the committee, attention to the fact that ciples. The committee listed tions under which they per the role played by computing its report published in much of the information them as follows:

formed their work.

ciples, different users of access to their education computerized information records, the committee felt.

The present Government has not yet made its attitude to the condition of the present conditions and objective made its attitude to the conditions of the present condition Britain is far behind most other industrialized countries in passing legislation to deal with the problem.

The general topic of privacy has been the subject of a number of privacy. The safeguards anumber of privacy. The safeguards been specifically linked to such Bills since 1969. In 1970 the Government set up a data protection authority, an independent permanting and could not all be forced into baving identical procedures. Accordingly, the data protection authority and could not all be forced into baving identical procedures. Accordingly, the data protection authority and could not all be forced into baving identical procedures. Accordingly, the data protection authority and could not all be forced into baving identical procedures. Accordingly, the data protection authority and procedures according to these proposals clear. Consultations with interest and object of automatic handling of permantic hand down the principles govern- the private or public sector of indivi-ing the handling of personal —would be obliged to apply to grow.

formance and career pros-pects, although information able to verify compliance with these principles.

The committee recognized, however, that, apart from following those general principles, different users of complex different users of access to their education are completed information.

of individual rights continues

Marcel Berlins Legal Corresponden

Identikit picture of criminal emerges

Fall of the 'most desirable' employee

criminal is mistakenly looked tons) went off like a rocket upon as "the most desirable through the ceiling of the employee to have", accord-boiler room, through the

The identikit picture has was 2 am). It came to rest emerged of a highly-skilled in the ceiling of an office young man or woman, aged 20ft away. Machines fell on average 29. He or she is through the hole into the bailer grown and a computer regarded by their superiors boiler room and a computer as reliable, honest, bright was also covered with debris." and highly motivated at Sometimes there are techand highly motivated at work. In general such criminals regard it as a challenge to their skill to beat the system. They are not morally concerned about the possible harm inflicted on the organizations as a result of their wrongs.

was also covered with debris. was also covered with debris.

Sometimes there are technical accidents. On December 10, 1976, during fog on the M4 motorway, a series involved 34 vehicles, in which three persons were fatally injured.

The centre's report adds:

Sometimes there are technical accidents. On December 10, 1976, during fog on the material such accidents in the material such accidents. On December 10, 1976, during fog on the material such accidents. On December 10, 1976, during fog on the material such accidents. On December 10, 1976, during fog on the material such accidents. On December 10, 1976, during fog on the material such accidents. On December 10, 1976, during fog on the material such accidents. On December 10, 1976, during fog on the material such accidents. On December 10, 1976, during fog on the material such accidents. On December 10, 1976, during fog on the material such accidents in the material such accidents accidents. On December 10, 1976, during fog on the material such accidents accidents. On December 10, 1976, during fog on the material such accidents accidents accidents.

ker, of the Stanford Research the failure of the computer Institute, of reported cases —controlled signalling sys-Institute, of reported cases and after interviews with and after interviews with rem to effect a change from culprists. Another survey, this 50 mph to 20 mph in the distinction of British organizations using data processing by magistrates for a drink and for from a result. for friend. Staff may appear months for a drink and to be hard working but are driving offence. The appeal so for the wrong reasons court reduced the sentence

given by Mr Kenneth Wong, abroad at the time, in Computer Security, Risk An analysis of "de Analysis and Control, pub threats" (industrial lished by the National Compuring Centre. Now the 32 disputes involving eight centre has produced what it unions in a total of 41 says is the first attempt in actions. 23 of them strikes. Britain to present a picture Another threat was re-of the wide variety of types ported as involving students of the wide variety in types ported as avolving students of breach of computer sec at a polytechnic who were, as urity and should serve to stir part of their computer to action any organization course, asked to try to that is ignorant of, or combreak the security of the placent about, the need to operating system of the plan for computer security." In report, by J. A. T. Pritchard, mentions nearly 100 in Europe. New Scientist end private communications has been down

computer room at Bowater-computer room at Bowater-Scott's, Northfleet, Kent, in-stallation. The centre's re-

ing to studies of computer data preparation room, related crime in different through the concrete roof countries.

The literature of computer data preparation room, related crime in different through the night sky (it

The centre's report adds:

Subsequently a coroner's court inquest decided that a contributor.

ey volumeer for overtime to seven weeks. It heard that

An analysis of "deliberate threats" (industrial actions) change from 50 mph to 20 in the centre's report lists mph in the displayed

curity has broken down.

Some of the threats come

is believed that about 20



to seven weeks, it heard to the duty or stay on the premises a computer error had caused well efter office hours. They the magistrates to be insequently a coroner's insequence of absence in case man had a previous convicting factor to the crash had their trail is uncovered. The identical picture was saddle, though he was computer controlling significant picture. computer controlling signalling system to effect a change from 50 mph to 20 speed signs.

> Another threat was re acts and three in which collusion occurred. The size of loss ranged from one of 12m to two of less than £1,000. In 1976, Customs and Ex-

centre's report lists 10 solo puter abuse from the Stan-their organizations, in one Crash on a motorway. Sub-ford Research Institute's in-case with a golden band puter aguse from the Stantheir organizations, in one ford Research Institute's incase with a golden hand-ternational project, funded shake upon the threat of by the National Science publicity and promise of Foundation. He includes good references to prospecphysical destruction, intellec- tive employers. Of those who tual property deception and taking, financial deception required to make restitution and taking, and unauthorized Though the average

use of services. During the six years 1972- fraud is reckoned to be 30 77, there were on average 75 times the average "take" in cases annually, 34 of them in manual fraud, courts are volving financial deception inclined to treat it as "whiteand taking an analysis of collar" crime and experts losses shows that \$546m was claim, award more lenient lost in 324 cases of computer sentences than they would abuse at an average of for the "blue collar" equiva \$1.68m a case. The 1973 lent: a wages snatch for cise investigators and Scot-figure includes the Equity example. land Yard officers arrested Funding Corporation of Mr R five men who had been mis- America fraud. In that case, private

Mr Ray Ellison, now using the computer system the estimated loss was former manager of the intended to control cargo \$2,000m, including stock privacy and security division passing through London Air-holder losses (or \$200m of the centre, sees some port. They had smuggled direct losses identified in liti-hope in the proposed legislasecurity has broken down.
Some of the chreats come from natural accidents. In 1975 all the teletype terminals at Cranfield Institute of Technology went dead. Rats had chewed through the cables located beneath the false floor. When a firm of pers externminators laid trays of poison, the rats dragged them away.

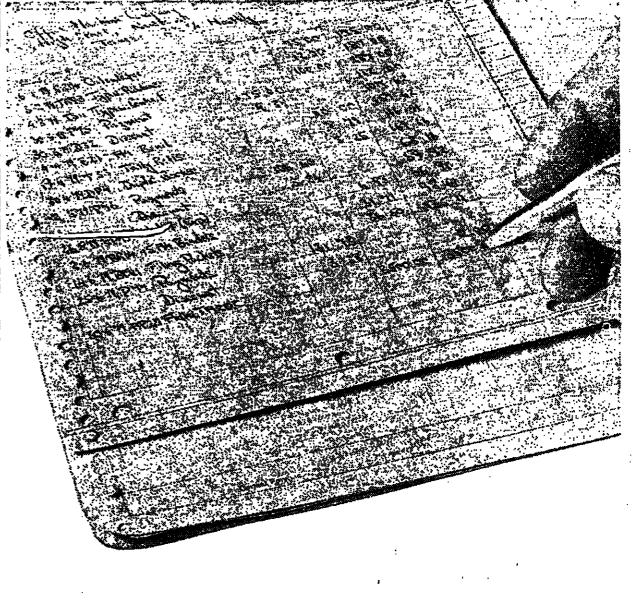
On August 9, 1977, the loss in the report says: "It port. They had smuggled in the report says: "It port. They had smuggled in the report says: "It port. They had smuggled in the report says: "It port. They had smuggled in the proposed legislation on data protection. Extra which the loss has exceeded the cashless of cases in safeguards are needed. The which the loss has exceeded sim, and another 80 cases occiety, with supermarkets' where the loss exceeded sim, and another 80 cases occiety, with supermarkets' where the loss exceeded sim, and another 80 cases occiety, with supermarkets' hills being debited automatically to customers' accounts and millions of them for sale in a newsor of a study by the National charts and had advertised them away.

On August 9, 1977, the believed that about 20 is believed that about 20 is believed that about 20 is morth of camabis into Canada, the report says.

In 1978 two Northern Gas have formed a group and as have formed a group at a hobby break all commer at hobby break all commer and breath of camabis into Canada, the report says.

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In 1978 two Northern Gas have formed a group and as have formed a



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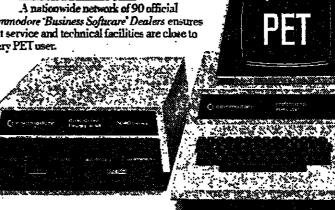
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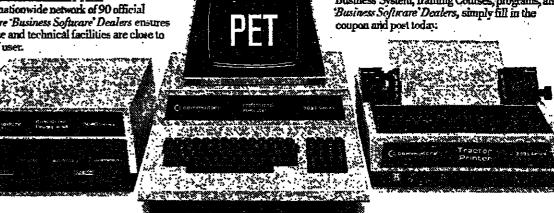


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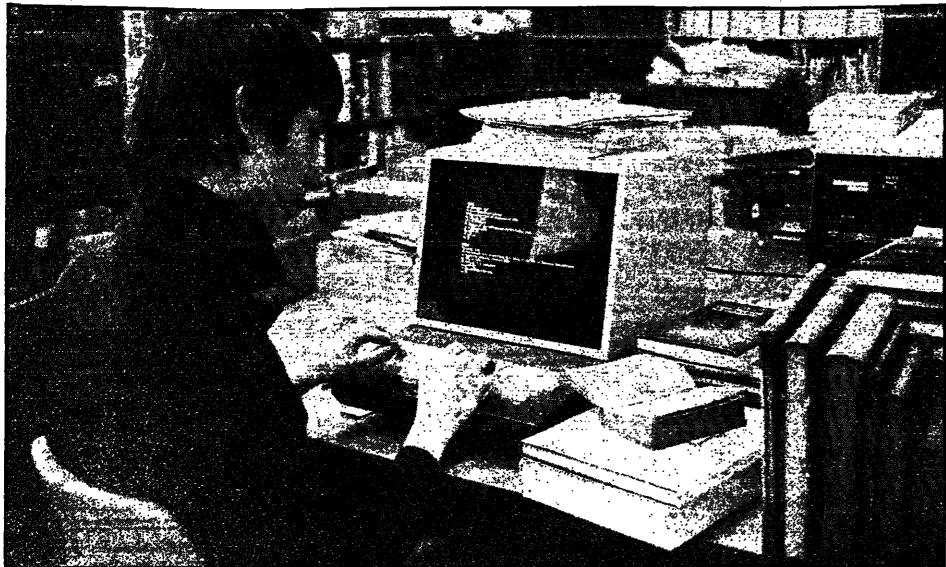
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A superhuman memory is growing within museums

keep track of the accumu- object in various ways.

In the unit at Duxford desired the desired to ablect the sprang from two converging ventional publications. So it is An inquirer seeking an operations. For many years Although different appropriate that its wing at article may know only the curators had felt the need jeers, such as fine arts. Duxford Airfield, 10 miles catalogue number, or the to improve and standardize ural sciences, or his

for storing and retrieving museums, and since each information and producing needs to be examined and catalogues. One advantage defined by somebody on the of computerization—it has spot, and collections are been adopted by the York added to every day, docu-

"How could we

Cambridge to computerize the contents of the Sedgwick Geology Museum, where Dr J. L. Curbill was already working on those

easier for such information although he remains a partto be fed into a computer time consultant.

squeezing more and more

tively tackle the user's data

processing workload. Other-wise the computer is a heap

of electronic junk.

is almost trivial.

The Imperial War Museum Archaeological Trust in its mentation has a long way to and printed out in the form. Now the unit can provide gramme backed by governwas one of the first in Viking excavations—is the go.

Britain to use a computer to ability to trace a particular The unit at Duxford easier to update than conkeep track of the accumuobject in various ways.

The unit at Duxford easier to update than consprang from two converging of the first in Viking excavations—is the go.

The unit at Duxford easier to update than consprang from two converging of the museums' before curators are ready to

bitted to last a computer is about to take a particular and the package from converging promound a home for the Museum Documentation found, its date or perhaps Advisory Unit.

The role of the unit is to concurage museums all over the donor; what The country to rationalize in a museum basement. There are believed to be and make use of computers of the for storing and make use of computers of the step of the storing and retrieving and make use of computers of the storing and producing needs to be examined and producing needs to be examined and retrieving information and producing needs to be examined and retrieval into a print of the make use of computers and producing needs to be examined and retrieval of the museums and producing needs to be examined and retrieval of the museums and producing needs to be examined and retrieval of the museums and producing needs to be examined and retrieval of the museum and producing needs to be examined and retrieval operations. For many years operations, for many years operations. For many years operations of the spectage from two converging ventional publications.

Although different subscitutions of users, nather operations are ready to ensure a current said provided in the standing commission on museums sciences, or history, mission on museums of a standardize that the standing commission on the museum's circle may know converging of users, such as fine arts, nathers, such as fine arts, nathers, and stincts, such as fine arts, nathers, and the standing commission on the museum's circle with provi officially-funded research museum moex of control project got under way at correlating information correlating

from all subjects."

When the Sedgwick prowhere Dr J. L. Cutbill was Museum Documentation already working on those Advisory Unit was set up in lines. Scientists have always been accustomed to formable of classification systems in their work.

Museum Documentation Advisory Unit was set up in 1977 with the same team. Dr Martin Porter, director, Mr Andrew Roberts and Mr in their work. Richard Light. They had the The two approaches backing of the country's Ultimately, Duxford could proved of mutual benefit. eight area museum councils be the start of a national Moves by museums to sim- and of most of the national index to museum collec-plify the index cards record- museums. Dr Porter has tions, perhaps linked to an ing their holdings made it since taken up another post, EEC

service—higher for bodies not already members of the Museum Documentation Association Several overan interest in the work, in-cluding some in Australia, and 30 ship-model museums in The Netherlands.

engaged on aiready

Dangers of having to modify software

Users can cut costs

by writing

more widely known, the team finds that some new museums are seeking advice before they even open their doors. Several business firms with valuable archives system which will be able to specific and interest of place, Professor Wilfred velopment of a computer Heginbotham, director-general velopment and interest place of PERA and chairman systems which will be able to the British Rubot Associated to the British Rubot Associated to the specific place.

Patrick O'Leary

Information science needs money

Britain retarded in artificial intelligence

ers but telecommunications, year.

any other activity involving the processing of information.

In the United States, government funding, either directly or through the military, has given that country the dominant world position. From the military alone in 1979, for example, \$17.4m was allocated to the computer and communications sector by the Advanced Research Projects Agency (ARPA). Its estimated expenditure in the same area for this year has been put at \$23.1m but this is likely to be increased for the survey, sponsored by the survey of since President Carter's call to Congress for a defence budget of \$1,000,000m conductions the next six years.

Another large sum, possibly about \$100m, has been made available by the United States Department of Defence for the very high sealers on the budget of \$1,000,000m conductions to a stand-bludget of \$1,000,000m conductions on the benefits of Defence for the very high sealers and excellent working conditions in work in the United States, Europe and excellent working conditions to work in the Middle East.

The NEB's Insac subsiding for information technology in general but it appears to be dragging its heels in other areas.

We can now see that the Lighthill report, a survey of robot and artificial intellibrations and artificial intellibrations and artificial intellibrations and artificial intellibrations are well-intended but highly misguided. Since President Carter's call in Congress for a defence budget of \$1,000,000m or the survey, sponsored by the Science Research Counting the proposed integrated circuit (VHSIC) programme which is intended to develop a search into the building of general-purpose robots. These same doubts in the 1980 and excellent working conditions to work in the United States. The MEB's Insac subsidition to the holder of information technology in general but it is initial funding of £20m in should be able to develop a should be able to develop and its intellibration in the 1980 and its initial funding of over £100m area for the Science Research Counting the proposition of the stren

is intended to develop even faster micro-electronics circuits than those available at present. Results of the production industry.

VHSIC project will be primarily for military use but marily for military use but marks.

galleries has sponsored a study of the application of the application of the application of the application of computers.

Archaeology, with its rapid accumulation of thouse and an attend to the development of the information industry and society, the country understal industry. The country understal industry and society, the united kingdom must question whether the race is worth whether the race is wenther the future are in technology.

Illimately, the United kingdom industry and society, the country understal interests and the country understal interests and the country and the country understal interests and the country understal interests and carrying out their ande

and pictures have also con receive and interpret infor- of the British Robot Assomation in the form of w

ing or the spoken word.
No comprehensive plans has been drawn up in the United Kingdom to use computer technology, and the original total of about £300m earmarked for the United Kingdom micro-electronics sector by the former Labour government has been selectively drained by the presen

Such National Enterprise Board companies as Inmos, Onsac and Nexos, which deal with micro-electronics, the marketing of United

ness its power. The United Support Programme and the than to import the goods with the Kingdom, however, has Micro-electronics Applimade by overseas robots."

Shown extraordinary back cation Project, which are if there is any aspect of the demands of information front of the United King the United Kingdom could be said to excel at it is the interest of the United Kingdom could be said to excel at it is the interest of the United Kingdom could be said to excel at it is the interest of the United Kingdom could be said to excel at it is the interest of the united Kingdom could be said to excel at it is the interest of the united Kingdom could be said to excel at it is the interest of the united Kingdom could be said to excel at it is the interest of the united Kingdom could be said to excel at it is the interest of the united Kingdom could be said to excel at it is the interest of the united Kingdom could be said to excel at it is the interest of the united Kingdom could be said to excel at it is the interest of the united Kingdom could be said to excel at it is the interest of the united Kingdom could be said to excel at it is the interest of the united Kingdom could be said to excel at it is the interest of the united Kingdom could be said to excel at it is the interest of the united Kingdom could be said to excell at its the united Kingdom could be said to excell at its the united Kingdom could be said to excell at its the united Kingdom could be said to excell at its the united Kingdom could be said to excell at its the united Kingdom could be said to excell at its the united Kingdom could be said to excell at its the united Kingdom could be said to excell at its the united Kingdom could be said to excell at its the united Kingdom could be said to excell at its the united Kingdom could be said to excell at its the united Kingdom could be said to excell at its the united Kingdom could be said to excell at its the united Kingdom could be said to excell at its the united Kingdom could be said to excell at its the

present. Results of the VHSIC project will be primarily for military use, but there will definitely be ment funds.

But it may be some time before curators are ready to share all their secrets. In Britain the standing commission on museums and galleries has sponsored a study of the application of the production industry.

Now revived by government and private capital, ment and private capital, the need for better labbur the need for better

The nations of the world Kingdom software overseas, ciation, said there was still ware engaged in a technologic and office computer systems a chance for Britain to find as cal race, and the leaders are respectively, have all felt a niche and exploit it. "The those countries such as the Conservative scapel pare penalties of doing it are less and the conservative scapel pare penalt United States and Japan away their funding. their not doing it at all , he that have grasped the fundamental importance of industry sources of finance import robots produced formation and the need to could not escape either. The overseas and use them in develop the means to har Micro-electronics Industry United Kingdom industry ness its power. The United Support Programme and the than to import the goods are a

Information technology is tronics from oundated skills, writing of software. This is a concept which takes had their collective budgets a talent that is much in account not only of computers from £125m to £80m last demand not only here but ers but telecommunications, year. word processing, com- Mrs Margaret Thatcher is so much so that skilled pro-non-ponents manufacture and perhaps unaware of the real grammers are being the processing of information dangers of falling behind in tempted by high salaries the processing of information the technological race. She and excellent working con-

importance, are the topics of information privacy, in chuding data protection, and the need for better labour

cannot hope to be an oversomething we are good at something the world has recognized as part of being recognized. This quality will no longer help us to muddle

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circuits on to a single chip years. while keeping the cost of Suppliers of the chip the same. The puter systems offer an answer to the software problevel of circuit integration lem in the form of the stan-is so high that a complete dard software package, the computer powerful enough development cost of which is to meet the needs of a small spread over hundreds or even to medium-sized business thousands of sales to differcan be built at a cost which ent users. There are standard packages for most kinds of accounting functions and for specific kinds of professional What still costs money is the rest of the hardware users such as solicitors, denneeded to make full use of tists and estate agents.

the computer's power, such But someone buying a comas visual display terminals, puter for the first time is printers and magnetic disc still faced with the problem stores for holding large files of making sure that the of information. Even so, the packages he is offered can price of a complete and processing, payroll generation and ledger updating system can be as low as without enormous changes nearly as effective as those £5,000, and £10,000 is about baving to be made to the provided by Cobol. way his business is run. If Prices are now so low that the package needs to be they are unlikely to get modified, which is often the successful commercial promuch lower. If they did, case, the customer must gramming language since the selling microcomputers check with the supplier that advent of computers and will selling the changes are not going continue to be so for a long marketing costs would not to cost a fortune and that a be covered. It is much more competent programmer is likely that the ever will be available to do the job.

fiered increasingly power. So even with standard ful hardware for the same software packages the growth of microcomputer use in The growth potential for business in Britain looks microcomputer sales might like being held in check by therefore appear to be limit the shortage of good pro-less, but inevitably there are grammers. If it is not then problems. The biggest by far there are going to be is that no computer is worth thousands of unhappy users anything unless it comes with systems which are software which can effect worse than useless.

The biggest by far there are going to be while the cost of microcomputing unless it comes with systems which are software which can effect worse than useless.

himself how to program, and of electronic junk. an increasing number of No microcomputer system.

In comparison with micro- business staff whose main can be used successfully in

supplier, Microsense of used in most microcompute Hemel Hempstead, is trying systems at present employ to set an example to its cus- low tomers by encouraging all its diskettes that are character-own staff—from senior man- ized by their low capacities agers to clerks-to learn how and the to programme in Basic. Any data can be accessed by the member of the staff can bor-read-write head. Over the row a desk-top computer to next few years diskettes teach himself or herself Basic stores will be superseded on at home.

Another hopeful sign is that many children are learning to use Basic at school either on the school's own microcomputer or on a terminal linked to a bigger com-

Unfortunately Basic is not always the ideal language for programmes handle commercial applications because the instructions it offers for manipulating large files of data are not provided by Cobol.

Cobol has been the most would not be worth while— the changes are not going continue to be so for a long Cobol is much less easy to learn properly than Basic and is very much a professional's language. It was used, for example, by the software company, Computer Analysts and Programmers. to write an extensive range of commercial microcom-

> computer electronics con-One way of alleviating the the future of the mechanical these firms will introduce a problem is to teach the user parts of microcomputer systems is less certain.

computer electronics, the job is something other than a business without a printer software for these machines programming are going to to put out many hard copies software for these machines programming are going to to put out many hard copies can be very expensive indeed become reasonably capable and for the foreseeable because the development of programmers in the future, future it appears that the computer programmes is "Basic" is the name of a user will have to continue to highly labour intensive. To programming language which use mechanical matrix prinmake matters worse there is is one of the easiest to learn ters that employ expensive a desperate shortage of com- and which is available on precision engineering and

The development of the petent programmers in most microcomputers. One require regular maintenance, silicon chip has involved Britain and the shortage is well known microcomputer. The rotating disc stores squeezing more and more likely to persist for some supplier, Microsense of used in most microcomputer. slowness with which many microcomputer sys-tems with units incorporating fixed discs.
These units offer much

higher capacities and faster access times than exchange able liskette units mainly because the read-write head can be positioned with much one problem not vet satisfac torily solved is the need for some form of low-cost back-up storage to lead files quickly on the the fixed disc. One optional feature that should become available with most microcomputer systems over the next few years is an interface for Office's on-line information

service Prestel, which is scheduled Such an interface called Appletel, is already for the Apple II, one of the best known desk-top microcomputers. Most microcomputer sys-

toms are based on a singlechio microprocessor manu factured by one of a small mainly States-based firms. of the most prominent are Intel, Zilog and Motorola. It these firms will introduce a microprocessor one day that set used by IBM's large-scale computers. This is an excit prospect because IBM computers covering all sorts of commercial applica-

Keith Jones

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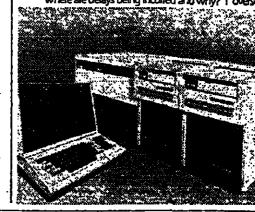
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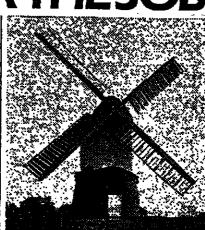
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MR HAUGHEY ON IRISH UNITY

Mr Charles Haughey, proclaimed leader of Fianna Fail in Decemher and thus Prime Minister of the Republic of Ireland, attended his coronation on Saturday. No crown of course, just ovation. His party's Ard Feis (party conference is too prosaic a rendering) provided the setting for that ceremony and the occasion of his first major policy speech as Taioseach. All aspects of government policy were

touched on including policy towards Northern Ireland, a subject on which Mr Haughey had been darkly silent since. when Minister for finance in 1970, he was charged with illegally importing arms destined for the IRA, and acquitted_ Since the impetus, if not the

whole explanation, of the party coup which unseated Mr Jack Lynch derived from the supposedly more red-blooded republicanism of Mr Haughey, his first utterance on Ulster has been awaited with interest.

First the similarities with what Mr Lynch used to say. Mr Haughey deprecates the activities of the Provisional IRA: a solution " can only come through political action. All but a tiny minority understand that violence can never bring a solution and that it serves only to perpetuate division and hatred. That corresponds to what Mr Lynch and every other parliamentary leader in the Republic has been saying; but there is conspicuously absent from it that urgent tone of moral condemnation which rang through Mr Lynch's speeches. However, when it came to warning the IRA not to try anything on in the Republic itself, Mr Haughey was no less minatory than his predecessors.

Like Mr Lynch, Mr Haughey

had a special word of sympa-thetic understanding for Ulster Protestants. " I have lived among them as a boy; I admire their virtues. . . " Yet Mr Haughey's most significant borrowing from his predecessor is this. In 1975, when in opposition, Fianna Fail called on the British Government to "declare Britain's commitment to implement an ordered withdrawal from her involvement in the six counties of Northern Ireland". Mr Lynch transmuted that into what a good thing it would be if the British Government were to say that the unification of Ireland by agreement would be in the best interests of everybody. There must have been many Fianna Fail supporters who looked to Mi Haughey to reinstate the original, tougher version of party policy. What he said on Saturday was pure Lynch. No mention of withdrawal. No demand. "In my view", he said, "a declara-tion by the British Government of their interest in encouraging the unity of Ireland, by agreement and in peace, would open the way towards an entirely new situation in which peace, real lasting peace, would become an

attainable reality." So much for the continuity. Now the differences. There are two. One is the urgency with which Mr Haughey presents the Northern question. The other is the very secondary importance he attaches to the current, and by implication any, attempt to settle the internal arrangements of the British province of Northern Ireland in a way that is agreeable to both communities

Mr Lynch had come to place satisfactory internal arrange-ments for Northern Ireland in the forefront of policy. Unification he hardly foresaw within his lifetime. Mr Haughey will have none of that. For him Northern Ireland is a society on the verge of deterioration beyond recovery. Time is running out. The need for a solution becomes increasingly urgent.

Should the present Constitutional Conference help to ensure civil rights and equality for all the people of Northern Ireland and to ensure also that security operates impartially, then so much the better. But the conference cannot provide a conclusive settlement
... Northern Ireland as a political
entity has failed and a new beginning is needed. The time has
surely come for the two sovereign
governments to work together to
find a formula and lift the situation on the anew plane. No tion on to a new plane . . . No settlement can be contemplated now which merely sows the seed of furned discountered.

of future discord. In other words, start talking frish unity now.

That is Mr Haughey's analysis. And his policy? "This government see Northern Ireland as the major national issue and its peaceful solution as our first political priority." First priority in importance perhaps, but not in time, not when that part of his speech is taken in the context of the whole. Mr Haughey takes a very serious view of the immediate economic condition of his country, as well he may. There are many and complex matters connected with it demanding the attention of his government. He also has a general election to face within a couple of years, and a lot of electoral ground to make up. His immediate priorities must be south of the border. The period after that election, if he wins it, may be another story.

BREAKDOWN IN LEBANON

On February 3 it was reported from Damascus that the central command of the national progressive front (Syria's ruling coalition) had discussed, at a meeting chaired by President Assad, the possibility of redeploying the Syrian forces in Lebanon to afford them better prospects for rraining and for performing their hasic security tasks as an Arab deterrent force". Almost simulraneously it became known in Reirut that what had in fact been decided was that Syrian troops would be withdrawn from Beirut and its suburbs and redeployed on the other side of Mount

Lebanon, in the Begaa valley. This decision provoked panic in almost every political group in Beirut and prompted a stream of visits to Damascus by prominent Lebanese and Palestinian leaders imploring President. Assad to change his mind. All he would agree to was the postponement of the withdrawal "for a few days", but so far it has not been put into effect. Meanwhile anticipation of it has caused a rapid rise of political tension both in Beirut itself and in the south, where the ceasefire hetween Major Haddad's Israelihacked militia and the Palestinian guerrillas has broken down.

No clear explanation of President Assad's decision has yet been given, but a great variety of motives has been suggested. He could have been afraid that Israel was about to launch a thrust up the Bekaa valley, effectively encircling Damascus and

cutting his forces in Beirut off from their base. He could have been obliging his Soviet allies (Mr Gromyko had just left Damascus) by provoking an outbreak of fighting in Lebanon which would revive Arab animosity against Israel (ergo against the United States) and so

break up the anti-Soviet Muslim front which had formed over Afghanistan. Or he could have wished to divert attention from the worsening situation in Syria itself, where the assassins of the Muslim Brotherhood, apparently benefiting from at least the passive connivance of the Sunni Muslim majority, are now striking regularly at Soviet military and civilian advisers as well as members of the President's own Alawite minority and at prominent Sunni supporters of his regime. Or again he could have been seeking to concentrate the minds of the different Labanese factions on the need for a political solution to their differences, in preparation for an eventual withdrawal of Syrian troops from

protection. Whatever his real motives (and they could be a combination of several or even all of the above), the announcement has served to draw attention to the very unsatisfactory situation

the whole country. He could

even have been preparing the

Palestinians for some new move

towards a peaceful settlement with Israel by reminding them

of the extent to which their posi-

tion in Lebanon depends on his

than three years after the war there officially ended. country is divided into at least four different zones of political and military control. The Lebanese state represented by President Sarkis is theoretically recognized as the lawful authority by everyone except Major Haddad. But the Christian "Lebanese Front" regards it as hopelessly pliant under Syrian pressure, while the predomi-nantly Muslim "National Movement" accuses it of rebuilding a predominantly Christian army.

which persists in Lebanon more

In fact the state and its army remain the only hope of rebuilding a united Lebanon. They should be strengthened, and their authority should be accepted in practice as well as in theory. The National Movement and the Palestinians, if they are not to be responsible for the partition they claim to be fighting against, should accept the gradual replacement of the Syrian deterrent force by the Lebanese army, Equally, the Israelies, if their proclaimed respect for Lebanese sovereignty is not to seem hypocritical, should withdraw support from Major Haddad so long as he does not accept the authority of the Lebanese state and allow its army to be deployed in his zone. Meanwhile the United Nations force in Lebanon is clearly inadequate to preserve the ceasefire in the south and should be strengthened.

Because she fought a camera and television election, Mrs Thatcher said surprisingly little during her April-May campaign, but what she did say came as balm to the soul of most voters. She spoke for self-help. She said government would not be the last home for lost caures and failed industrics. Covernment and country would live within their means. Industry that could not swim would sink. Most of those who voted liked what they heard, not least the premise that the power of trade unions to bring down three democratically-elected governments in nine years (1970, 1974 and 1979) would be somehow turned.

To be sure, it's easier said than done. That is why Mrs Thatcher ind the Government have lost the initiative in presenting their case. You cannot make much of a policy of non-action, of staying on the sidelines. Mr William Sirs, the steelworkers' leader, for example, has made a far more plausible case in public than anybody within the ritish Steel Corporation and the

The fact is, of course, whatever the failures of government policy presentation and advocacy, that a large chunk of the public sector in the United Kingdom either pays itself too much or produces too little. Mrs Thatcher and the so-called hard men are determined to drive home the lesson. Sir Ian Gilmour and the softer men, who of course fully supported Mr Heath's U-turns between 1970 and 1974, want to avoid any confrontation that threatens, partly out of social compassion, partly out of un-Thatcherish guilt feelings daming back to before the war, partly out of

Why, there are even Conservatives today who like Mr Wedgwood Benn begin to talk of import controls to protect Britain's failing industries. Once you accept the implied Gilmour thesis and work it to the logical end there is no conclusion to the bleckmail we should all have to pay.

electoral calculation.

LETTERS TO THE EDITOR

The wealth of nations

From Mr Keith Jones Sir, One of the charges laid against small village schools is that they are uneconomic. In the present climate of financial curbacks it is one of the words which our masters use to justify their policies. However, we should be wary of accepting other people's words, for by doing so we tacitly accept the pre-

Businessmen understand the word. Financial inputs and monetary returns, profit and loss, such is the nature of their game. If I were a businessman I should expect my monetary return to exceed the financial input, otherwise my business would be uneconomic.

Village schools cannot be so described. A more honest statement would be that it costs more to educate a child in a small unit than ın a large one.

Similarly it costs more to lay on a supply of electricity to villages; It costs more to deliver a letter to a village than to a town; it costs more to be connected to the tele-phone service; it costs more to be visited by the doctor.

Are we therefore to conclude that the stire counties are uneconomic? Is the countryside to be closed? Lincolnshire is, in fact, exceedingly economic, It is intensively and efficiently farmed. That it is profitable is wimessed by the number of investment companies which buy its estates. However, the fields, which are Lincolnshire's factories, produce no rates to maintain the patterns of life which produce its

wealth. No one suggests that we should die because the cost of medical services is uneconomic, or that we should burn candles because it is uneconomic to provide electricity, or that we should breed pigeons to substitute for the uneconomic cost of delivering our letters, or that we should take a course in voice projection because it is uneconomic to provide us with a telephone. So why are village schools described as being uneconomic simply because it small unit than in a large one?

The products of agriculture benefit the entire population of the United Kingdom. Agricultural communities should not be penalised for their smallness by having their schools closed, and local councillors would better serve the communities they represent by spending less time issuing closure notices and time issuing closure notices and instead in demanding a share of the rate support grant commensurate with the needs of the pattern of life which contributes so much to the wealth of the nation. Yours faithfully, KEITH JONES, 17 Steep Hill,

Ultra and Matapan From Dr G. DiVita

Sir, A current BBC Television series tells the story of Cynthia, Miss Emily Elizabeth Thorpe. According to the BBC, in 1941 Vice-Admiral Alberto Lais, the Italian Naval Atraché in Washington, gave Cynthia the Italian Navy's operational cipher, thus enabling Sir Andrew Cunningham to read Italian radio signals and win the battle of Matapan (R. Deacon and N. West, Spy! BBC Publications, 1980, pages 76 and 77). This is utterly false. The truth is, the vital intelligence was supplied to Sir Andrew by the in-

terception and cryptanalysis of Italian Navel Signals. In 1941 GC and CS (Government Code and Cipher School—the organization to cryptanalyse enemy radio signals) was at Bletchley Park in Buckinghamshire, Here, a building on the estate, "The Cottage", housed ISK (Intelligence Service Knox, sometimes called Hlicit Service Knox). The main task of this team headed by Alfred Dillwyn Knox was the analysis of Italiaa intercepts.

The Italian Navy used a type of Enigma ciphering machine some what different from the standard German Enigma—it had four rotors and no plug board. The method of analysis by ISK is still classified, but the narrative is precise. In March "The Cottage" read the Italian Navy's orders for an operation in the Ionian Sea. The crucial operation was analysed by Mavis Batey on March 25. In the night of March 28 off Cape Matapan three British battleships met and de-stroyed an Italian cruiser squadron -three heavy cruisers were sunk, 3,000 sailors killed. In Italy the precision of the encounter raised haunting perplexity and long

debate.
Intelligence produced by GC and CS was code-named Ultra. To pro-tect Ultra, information gained by cryptanalysis was shrouded in tale of traitors and spies, and well within this mythology is Cynthia and Lais's story. Treason in bed and death at sea made a libretto which sold well in Britain—the Latin melodrama of seduction and tragedy—and Italy the neofascists' explanation for defeat. (A. Trizzino, Navi e Poltrone, 1953; H. M. Hyde, The Quiet Canadian, 1962; D. Kahn, The Code-breakers, 1966; H. M. Hyde, Cynthia, 1967; A. Trizzino, Traditori in Divisa, 1974; W. Stevenson, A Man Called Intrepid. 1975.)

Alberto Lais died shortly after the war. In 1967 his family sued H. M. Hyde, a libel action on behalf of the dead being allowed in Italian law. After lengthy examinations of witnesses and documents the Court in Milan brought a yerdict of guilty. The Court of Appeal upheld Hyde's conviction. On the Cynthia canard, incidentally, M. Gaston Henry-Haye, the French Ambassador in Washing ton in 1941, successfully sued Mr H. M. Hyde for libel before Mr Justice Megaw, Queen's Bench Division, Merch 15, 1966.

According to the first published account on Ultra, the Italian plan was read by breaking the German Air Force Enigma. Later publications conclusively stated that the Italian Naval Enigma had been directly attacked and broken. Arguably the controversy on Lias and Matapan was for years Italy's

Dreyfus affair—and a source of political unease about possible present espionage by Nato allies.

Trade unions and the rule of law

From Mr David Madel, MP for Bed-fordshire, South (Conservative)

Sir, Our extraordinary way of establishing trade union rights by means of providing immunity from various legal actions makes movement in this area much more difficult than is generally appreciated, for in attacking abuse by removing an immunity, the legal foundations of other forms of industrial action which are widely regarded as legitimate may also be disturbed.

Removing immunity for all secondary action, for example, would render vulnerable every sympathetic strike. When the unions feared, wrongly as it turned out, that this would be the consequence of Baldwin's 1927 Act, even such a moderate and reasonable trade union leader as Ernest Bevin was willing to advise his executive to take sympathetic action in defiance of the law. It is strange, incidentally, that your editorial (February 9) should place the man who presided over that legislation in the same camp as Mr Callaghan, whose role in undermining the 1966 Labour Government's efforts in this area is once more in the public eve, fol-lowing the publication of Mrs Castle's diaries.

Archur Scargill and similar figures who fear the present Employment Bill because they recognize the special threat it poses to their tactics, are searching for a cause to mobilize the trade union movement behind them, so far with little success. Banning all secondary action would give them that cause, and to what end? After all, employers have traditionally shown considerable reluctance to prose-cure where industrial relations issues are paramount. Indeed, it is unclear from the account given of The Times's recent troubles whether management failed in that case to take their employee's union representatives to court because legal advisers believed that an action would fail, or because industrial relations advice indicated that, win or lose, such a step would make the dispute both longer and more bitter. Certainly, the CBI do not want the Government to go this far now, so it must be presumed that few employers would use such contentious new powers.

This means that a major over-night change in trade union law now would provide no panaces for the nation. Consequently, the Cabinet have surely been wise to opt for a more cautious approach to the question of legal restraint in this field, rather than upset the delicate balance of Mr Prior's Bill.

Yours truly.
DAVID MADEL. House of Commons, SW1. February 15.

From Mr Richard Yorke, QC Sir, Lord Wedderburg (February 15) allows his devotion to the trade union movement to contort his logic. If his "alternative road to greater industrial peace" is by genuine conciliation . . . around negotiating tables" then it is simply irrelevant to license either the vio-lence of mass picketing or the inflicting of damage and destruction upon innocent third parties who cannot participate in any concilia-tion or sit at any negotiating table.

I am not alone in being some-times awestruck by the way a lawyer of Lord Wedderburn's ability can contemplate with equanimity, even enthusiasm, such harm done to the innocent. The explana-tion of his thought process is probably to be found in an address that he gave to an Inner Temple seminar at Cumberland Lodge early There he argued that in moder

industrial society an individual had no rights except "collective" rights, ie, as a member of a collective organization. Carried to its ultimate conclusion this means that you do not actually harm an innocent third party (whether by driving him into bankruotcy or ing min into particularly of liquidation or just slashing his tyres) because harming someone involves interfering with their rights: but if they have no rights then by definition they are not being harmed.

Once you can get into that stage of mind then it is easy to see how you can characterize as "golden" a formula which to a less fond eye might seem somewhat bloodstained. Yours faithfully. RICHARD YORKE. Gray's Inn Chambers, Gray's Inn. WC1.

Global rivalry

From Mr Vasily Stepanov Sir, How far, you wonder (editorial, February 6), has the Soviet Union grasped the point that "global military rivalry is not only a dangerous waste of resources but is also interestable with constructive Fast. compatible with constructive East-West relations in other spheres? " I feel there is little real cause for

speculation here. The facts show that the Sovier Union understands the point perfectly well, and has always advocated complementing létente in international relations with detente in the military field.

The USSR has come forward with dozens of peaceful initiatives and constructive proposals, all aimed at improving the international situa-tion, cutting down armed forces and arms and developing confidence between countries belonging to different social and economic systems. Last year, for example, speaking

in Berlin, Leonid Brezhnev announcced several peace initiatives involving the withdrawal of a considerable number of Soviet troops and quantities of combat equipment from the German Democratic Republic and promised a cutback in the present number of nuclear missiles stationed in the west of the Soviet Union, provided that none of the new types of US missiles were to be deployed in Western Europe.

The NATO countries refused to accept the Soviet proposals. This must inevitably lead to a new round of "military rivalry", and not on the initiative of the Soviet Union. A look at the way "military rivalry" has developed between East and West in the past shows that the Soviet Union has always had to catch up with the USA.

The USA for example, developed atomic weapons in 1945, and the USSR in 1950. Medium-range missiles appeared in America in 1953, and only in 1959 in the USSR. Intercontinental missiles appeared in the United States in 1956 and in the Soviet Union in 1957. Nuclearpowered submarines were put into service in the US Navy in 1959 and in the Soviet Navy only in 1962. The list could be continued. In all cases, it was the USA that initi-

ated new weapons systems, and in the interests of its security the Soviet Union has had to meet the United States challenge. It was not. therefore, the Soviet Union that initiated "military rivalry". The United States is not surrounded by Soviet military bases, yet the United States military, air and naval bases stretch almost for the whole length of the borders of the Soviet Union and other socialist

elements in the United States never stop trying to bring down govern-ments friendly to the USSR in neighbouring countries and to install hostile regimes there. In the circumstances, the point should be made not to the Soviet

countries. Apart from that certain

Union, but to the United States. As for "constructive East-West relations", it is Washington that constantly calls for colder and harder relations and engages in actions likely to bring this about. Yours sincerely. VASILY STEPANOV. Novosti Press Agency, Pushkin Square,

Olympian detachment

From Lord Aberconway Sir, The Olympic Games surely need not be held rigidly every four years. It is obviously impracticable now to move the 1980 Games to another place. But, if they must be held, why can they not be deferred until next year, and be held in another place, except perhaps the jumping events, which I surpose need to be held in Leap Year? Yours truly, ABERCONWAY, 8 The Sanctuary, Westminster, SWL

Grandeur that was Rome From the Reverend Canon D. H.

Sir, I have just been hurrying round central Rome (though I live there) photographing some of its most

treasured monuments for the last Trajan's Column is about half none; that of Marcus Aurelius in the Corso about one third. In the

Forum, the Arch of Septimius Severus is still half exposed, the division being vertical in this case. Near by, the noble portico of the Temple of Satura is entirely masked from view. And beside the Colosseum workmen are today laying a new concrete apron round the base of the fenced-off Arch of Constantine, round whose great bulk will be wrapped the biggest shroud of all.

Lovers of Rome should rush here they want to see d'ensemble such a world-class monument as the last before it is too late. They have already practically missed the boat with the others.

People better placed than I must find out and evaluate the reasons for the encasing of these works of classical architecture in smart black scaffolding with brass-coloured clamps which will soon receive, one hears, a polythene çovêr.

I write simply to mourn the passing, for the foreseeable future, of the intended aspect of these great pieces; and I am sorry for the multitudes of future visitors who, staring at these Meccano monsters, will be able only to imagine how the now hidden white stone looked for some two thousand years, especially against the blue of the Roman sky. Yours faithfully. DAVID PALMER,

Chaolain. All Saints' Anglican Church, via del Babuino 153B,

Transport in London From Mr Stephen Plowden and

February 15.

Sir, In 1971 the London Amenity and Transport Association pro-posed, as one of the objectives to guide strategic transport planning in London, that we should "develop and maintain the public transport system so that no one with normal travel requirements need ever feel dependent on the private car for journeys within the main built-up area of London". This objective was suggested as much for reasons of transport efficiency as on environmental and social grounds; today, with the energy crisis, it makes even better sense than it did in 1971.

But how sadly the public trans-port system has deteriorated since that time: especially the buses, on which millions of Londoners depend for their everyday travel And now we learn (The Times, February 9) that it is proposed to reduce bus services by a quarter on Saturday and a third Sunday.

Whatever London Transport's other shortcomings, it is not to blame for this decision: which may be the right one to take, given the constraints set by its political masters. The blame rests squarely with the present administration at the GLC which, apparently still hankering after its lost motorways, has failed to develop a coherent alternative strategy for making proper use of our existing roads. In particular, County Hall has apparently not appreciated either the crucial importance of the buses or the need for traffic restraint to allow buses and other essential traffic to circulate freely. Yours faithfully,

STEPHEN PLOWDEN. HARLEY SHERLOCK, London Amenity and Transport Association. 13 Alwyne Place, N1.

A word for the Vikings

From Dr David Abulafia

Sir. In his contribution to your sup-plement (February 14) on the Vik-ings, entitled Traders, not ings, entitled "Traders, not raiders", Thor Heyerdahl falls victim to the very ideas he seeks to correct. He takes the colourful King Sigurd and calls him "a typi-cal Viking in spirit"; he then shows that he was a raider rather than a trader. And he retells a Norse tale in a mixture of real history and ancient fable.

King Sigurd did not find that

Sicily was ruled by a Norwegian called Duke Rodgeir; he visited Sicily or Apulia and apparently met a Norman prince—the future King Roger II or his cousin Roger Borsa, Duke of Apulia.

What is interesting is that a Norse writer; Snorri Sturluson, described the Normans in Italy as members of a Scandinavian community; and this implies there was some remote memory of the fact that the descendants of those Norsemen who settled in northern France later became involved in more far-flung. conquests south of Rome. Moreover, Sigurd did not confer a crown on a Norman duke, as far as we know.

a Norman duke, as far as we know.
Roger II acquired his crown rather later, in 1130, with the assent of his Norman and Italian barons and of Pope Anacletus II.

On the other hand, King Sigurd's ships were remembered with gratitude by the Christian conquerors of the Holy Land, and the king himself made a deep impression of himself made a deep impression on those who met him-more perhaps as a man of martial virtue than as a man of spiritual depth. Yours faithfully,

DAVID ABULAFIA Gonville and Caius College, Cambridge. February 14.

From Mrs John Kerr

Sir. Michael Frenchman's article. page 12, The Times, February 9: Viking warriors (in 793 AD) without horned helmets? The Anglo-Saxon cemetery at Finglesham in Kent excavated by Mrs Sonia Hawkes produced in 1964 a gilt bronze buckle bearing the figure of a man wearing a horned helmet.
Mr Ronald Jessup in his pamphlet. "Anglo-Saxon Jewellery", mentions that the buckle "seems to belong to the early traditional symbolic heathen religious art, versions of which were current in Northern

Germany and Sweden in the seventh century". Despite the time gap, a connexion, perhaps? Yours faithfully. CAMILLA KERR Wick Lane.

Downton. Salisbury, Wiltshire.

Guy Liddell From Projessor Anthony Blunt,

Sir. In his letter (February 15) Mr D. W. A. Mure points out that there is a contradiction between a state-ment of mine about the timing of the disappearance of Guy Burgess and what Mr. Boyle reported Goronwy Rees as saving in a conversation with him a few days before his death. What is more important, however, is that Rees himself had on an earlier occasion given an account of the matter which was quite inconsistent with the later version reported by Boyle.

Goronwy Rees was reported (Ohserver, January 20) as telling Andrew Boyle that there was a delay of nearly 10 days after he had told Liddell about his suspicions that Guy Burgess had defected before Liddell arranged an appointment for him to talk to the security authorities; and that meanwhile Liddell and I attempted to dissuade him from approaching MT5. Yet in his autobiographical book. A Chapter of Accidents, pages 207-211. Rees tells a quite different story. There, after reterring to a conversation he had with me on the day after his telephone conversation with Liddell, Rees continues: "The next day I went up to London and made my way to MI5 . . . at MI5 I was taken into the presence of an officer whom I had known during the war and who had also known Guy [Burgess]

The discrepancy between these two accounts, one written and published deliberately about seven years earlier, the other based on a conversation held with him when he was on his deathbed, supports my considered view that his last conversations as reported constitute, as have previously suggested to The Observer in a detailed comment (the rest of which was not published in full). "as a whole, a mixture of facts, statements that are actually incorrect and others which are greately distorted. That this may be due to failure of memory is very possible-and in the circumstances would be understandable". Yours faithfully,

ANTHONY BLUNT, c/o Michael Rubinstein, 6 Raymond Buildings. Gray's Inn, WC1. February 15.

Mrs Thatcher's model son From Projessor A. Comeron

Sir, Has it been established whether Mark Thatcher is unwilling to model British clothes? Perhaps no British manufacturer had the Eumption or nous to ask him. I am Sir, your obedient servant, A. CAMERON,

Iden House, Goudhurst,

Higher finance?

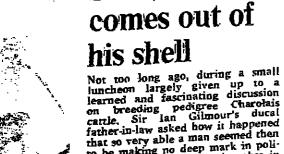
From Mrs D. E. Coombes-Herridge Sir, What can we put into our future Christmas puddings now that the Government feels inclined, needlessly in my opinion, to scrap the very British "tanner"? Yours sincerely, DORIS E. COOMBES-HERRIDGE. 2 Gaen Street.

Barry, South Glamorgan.

David Wood Sir Ian

ეულიშიზი:

5 28.27%



to be making no deep mark in politics. I remember suggesting that in politics modesty and difference get rou nowhere. It was, in short, time for Sir Ian to be a living illustration of several cliches: to come out of his shell, to stand up and be counted, to sit firm and not budge,

At last he has done it by his and so on. characteristically urbane and oblique lecture in Oxford on Conservatism. The text has won him a notoriery he no doubt finds disobliging, for he appears to have shown no vulgar zeal in seeking publicity for it.

Nevertheless, singlehanded he has won a propaganda battle for the "wet" members of Mrs Thatcher's Cabinet that the hard men and Mrs Thatcher herself have so far lost. The attention he has won among Conservative rank and file is disproportionate to the space he commanded in newspapers, simply because by an accident of riming he went to Oxford precisely at the time when political commentators were looking for evidence of Cabinet disagreements, splits, or even

threats of resignation. Sir Ian Gilmour, an unimpeachable source, provided that evidence. The only question left was who and how many stood four-square with him to what used to be called Burskelism, although it could equally be called Churchillskelism Moncktonskelism? Label the polical style and approach how you

will and must, it really amounted and still amounts to Conservative leaders' political and social litters after the Labour landslide of 1945. How could the Conservative Party recover the working class electoral base necessary if it were to return

to power?
There is a great deal in the Gilmour thesis that we may all agree with. Nobody either wants, or could get if they did want, a society divided at the roots. Nor does anybody now believe that such a gov-ernment would be democratically governable. But, if general elections governable. But, it general electrons mean anything, they mean that a voting majority has accepted one view of society's needs rather than another; and it happens that Mrs Thatcher and her views of society's immediate needs, with the remarkable swing of working class votes, prevailed on May 3, only 10 months

In essence, Sir Ian Gilmour now says that Mrs Thatcher and her colleagues, having been elected on one clear prospectus, must find another prospectus that would be more attractive to the electorate if they had a general election today. In other words, Mrs Thatcher, her Cabinet, and Conservative backbenchers must be prepared to make an about turn and head North instead of South, as every government

since 1945 has done. For him it is the business of government to intervene to ensure an economic and social equilibrium and keep society stable and, by implication, to superimpose corpora-tism on a general election mandate that has become inconvenient or untimely. All duty is on the Government; none is on the people.

It is a seductive argument, seductively developed. Since 1945 every government has used our money to pay blackmail, not only to the trade unions but no less to feeling industries and to played out regions de-pendent on textiles, coal, shipbuilding, steel, and car production. The Gilmour argument, if put to the people now, would probably win the day overwhelmingly. Paying blackmail is the easy way out. Trains run again, electric power comes back on, docks are cleared, garbage is shifted, turn the tap and water runs. British people apparently value

normality and pronounce blessings on any government that gives it to them. Yet nothing fundamentally changes. One blackmail payment has

to be followed by another.

Yours faithfully, GIULIO DIVITA, Clare College, Cambridge.

rather than the unleadable

parochial focus of community

comfort and reassurance, centred on each parish church

For the general synod, the greatest difficulty in its first 10 years of operation has been

ledge its leadership credentials,

a difficulty to which it has contributed by its own struc-

tures and methods of working.

To belong to the general synod as a lay member requires

given to very few, for three weeks of every year has to be

spent in London, unpaid, as a

and each parish incumbent.



Forthcoming

Mr C. B. Adams
and Miss S. L. Buckingham
The engagement is announced
from Johannesburg between
Christopher Borlase, elder son of
Mr and Mrs R. B. Adams, of
Bethersden, Kent, and Sara, twin
daughter of Mr and Mrs Anthony
Buckingham, of Upper Hartfield,
Sussex.

Smith, of Doncaster, Yorkshire, and the late Mrs E. Smith.

The engagement is announced between Hugh Patrick Sant, eldest son of Mr and Mrs Rodney Wace,

of Pound Farm, Dunsfold, Sturrey, and Netta Alison, younger daugh-ter of Group Captain and Mrs

Antony Barwood, of Bolton House, Burnham Market, Norfolk.

The bride, who was given in marriage by her brother, was attended by her bieces, Sophile and Joanus Beach-Thomas. The Rev A. M. Grime officiated. Sir Andrew Duff Gordon was best

Mr A. W. Oppenheimer and Miss M. E. Newell
The marriage took place on February 17 in London between Mr Arthur William Oppenheimer, son of Mr Aruold S. Oppenheimer and the late Mrs Dorothy Oppenheimer, of London and Miss Margaret Ellen Newell, daughter of Mr and Mrs Richard J. Newell, of Purley, Surrey.

and Miss G. Holmes
The marriage took place on
February 16 at St Paul's Church,
Birmingham, between Dr Stephen
Paul Willavoys and Miss Gillian
Holmes.

Today's engagements

Exhibitions: The Vikings, British Museum, Great Russell Street, 10-5: A festival of Irish books,

10.5 : A festival of Irish books, National Book League. 7 Albewarle Street, 10.6.30; The United States election system, central London Polytechnic, 309 Regent Street, 8.30-8.30; Hungarian graphics, Concourse Callery, 35 Marylebone Road, 8.30.8.30; David Williams, Woodlands Art Gallery, 90 Mycense Road, 10.7.30; Mario Merz, Whitechapel Art Gallery, Whitechapel Art Gallery, Whitechapel High Street, 11-6.

Lectures: Water birds, Natural History Museum, Cromwell Road, 3; Rights of women, Jenny Earle, North London Polytechnic, Holloway, 6.30;

Silver, graceful living with the

Dr S. P. Willavoys

Mr H. P. S. Wace and Miss N. A. Barwood

Mr A. Seager

Marriages

Hereford.

By Clifford Longley Religious Affairs Correspondent Insofar as England is still Chris-tian, the temper of its religious

spirit continues to be marked

by dull, doctrineless puritanism.

for which the usual synonym is "C of E".

That vague, shadowy creation of the popular imagination is perceived to stand for the

avoidance of too much pleasure

and the advancement of respec-tability, and its teachings are assumed by the national con-

sciousness to be of that charac-

ter rather than as pathways to

personal liberation and spiritual

awakening. This imagined "church", whether it exists or not, is primarily against sex, drink and swearing, rather

than for anything in particular.
The real Church of England

is peopled by many with that

same half-forgonen expectation, to which is added a more ex-

plicit hope that if God is in his

Heaven, all will somehow come right for the world. The

church, from the third pew on

the left each Sunday morning, exists to encourage God in that

There is not much vision or

drive about it, and not much sense of success or failure.

Latest estates include (net before tax paid, tax not disclosed):

Merseyside, company director

Martin, Mr. Robert, of Birkdale,

Holloway, Mrs Joan Saxon, of Birchington Kent £175,925. McKnight, Teresa Mary, of Cheam.

Waley, Mrs Olga, of Sevenoaks, £126,902

Histed, Mr Ernest Harold, of

Shoreham, Sussex, master mariner 5126.808.

Headley, near Epsom £202,435. Barker, Mr Edward Postlethwaite;

of Broughton-in-Furness, Cumbria,

France, Mr Cyril Seymour Coode,

of Tavistock, Devon, ear, nose

and throat consultant £143.182.
Pearson, Muriel, of Hove £157,329
Stanwix, Mr William, of Winston,

Darkington, Co Durham £337,965. Vaughton, Miss Grace, of Henley-

in-Arden, West Midlands £160,526.

Waterman, Mr John Harold, of Alton Pancras, Dorchester, Dorset,

farmer 5265,250.

At the annual general meeting of Alexander Rose Day held at Grosvenor House on Wednesday, February 13, 1980, the council well-comed Sir John King who succeeds the late Whitney Straight, as chairman of the society.

Georgians, Myrtle Ellis, V and A Museum, 12; Vincent van Gogh, From light to brilliance, Elizabeth Gordon, National Gallery, 1; Constable's nature. Gill Cohen, Tate Gallery, 1; Beningbrough Hall, the restoration of a Yorkshire country house, Martin Stanclife, Purcell Room, South Bank, 6.

Autiques fair: St James's Antique Fair. Piccadilly Hotel, Piccadilly, 2.20-8.

Lunchtime masic: Gidon Kremer,

uncoune music: cloor kremer, violin, St John's, Smith Square, 1; Piano recital, Philip Plikington, St Lawrence Jewry, 1; Organ recital, Joseph Cullen, St Michael's Cornhill, 1; Singers, led by John Durafford, St Assay.

110.45 a.m.; and Mr Shoja Etemad
111.45 a.m.; Room 15, 5 p.m.
Forelab Affairs Committee. Subject:
The consequences of Soviet expansion
for British foreign policy. Witnesses.
Foreign and Commonwealth Office.
Room 15, 10.45 a.m.
Subject: Diympic games. Witness: Mr
Douglas Hurd. Min 40r of State. FCO
Room 15, noon.
Thursday Agriculture Committee. Sublect: Economic, social and health impilications for the UK of the CAP on
milk and dairy products. Witnesses: The
Dairy Trade Federation. Room 16, 11
a.m.

Ann. Affairs Subcommittee on Race Relations and immigration Subject: Race relations and the Sus law. Vitnesses: Metropolitan Police and the West Midlands Police. Boom 1J. 4.30 p.m.

House of Lords
Today at 2.50. Industry Bill. second reading. Bees Bill. committee. Tomorrow at 2.31! New Hebrides Bill. third reading. Compedition Bill. committee (Just day! Wednesday.at 2.50. Debales on situation in Cypros. maritime policy: and Vales. At 3. Protection of Trading Tursday at 3. Protection of Trading Tursday at 3. Protection of Trading Lay. Act 1970. Increase in Rate of Levy: Order. Compedition Bill. committee (second day).

Select committees
Tomorrow Select Committee on EEC
Legislation. Subject: Reports of the
Spicrenburg Lommission and on the
Lucyclan restrictions (the Three Was
Lucyclan restrictions (the Three Was
Wednesday: EEC Sub-committee U on
education, employment, consumer and
social affairs. Evidence on unking of
Lucyclan Social Fund.

EEC Sub-committee B on Trade and
Treaties, subject European air lares
Wilnesses. Wr K. H. Hoffman, Lord
Betheir and Vir J. Moorhoose, who are
members of the European Puriament.

House of Lords

Select committees

and St Agnes, 1.10.

Alexandra Rose Dav

society.

master painter and decorator

Latest wills

endeavour, by upright example. an economic independence

£612,605.

marriages

Mr C. B. Adams

COURT CIRCULAR

February 16: The Princess Anne, Mrs Mark Phillips, Patron, the Royal Lymington Yacht Club, this evening attended the Cruising Dia-

Mr J. E. Alston
and Miss D. C. Mawson
The engagement is announced
between James. son of Mr and
Mrs J. D. Alston, of South Lopham Hall, Diss, Norfolk, and
Diana, daughter of Mr and Mrs
D. Mawson, of Gouville Hall,
Wymondham, Norfolk. ner at the Club. her Royal Highness travelled in an aircraft of The Queen's Flight and was received upon arrival at Lymington Yacht Haven by Rer Mr S. W. Farish and Miss J. T. Smith The engagement is announced between Stephen William, eldest son of Mr and Mrs A. L. S. Majesty's Lord-Lieutenant for Hampshire (the Earl of Malmes-Parish, of Worthing, Sussex, and Joyce Teresa, daughter of Mr B. Smith, of Doncaster

bury). The Hon. Mrs Legge-Bourke was in attendance.

Prince Michael of Kent has been appointed president of the Royal Patriotic Fund Corporation, the and Miss H. J. Whetstone
The engagement is announced
between Alan Seager and Hilary
Jane Whetstone, both of Ipswich,
Suffolk.

Birthdays today

Mr H. L. Beales, 91; Major Sir Harold Bibby, 91; Sir Arthur Eryant, 81; Miss Phyllis Calvert, 63; Lieutenant-General Sir Donald Dunstan, 57; Miss Kay Hammond, 71: Sir Basil McFarland, 82; Sir Arthur Norman. 63; Mr Ned Sherrin, 49; Sir Basil Todd-Jones,

Dances and cocktail parties, 1980

Sir Anthony Grover and Mrs Grantley Loxton-Peacock The marriage has taken place quietly in London of Sir Anthony Grover and Mrs Grantley Loxton-Peacock. A list of some of the dances and cocktail parties arranged to take place before the end of 1980 will be published on April 7. It will be revised and repeated on June 2. The charge for inclusion in one list will be fill and in two lists fil4. Inquiries should be made to Mr A. F. N. Dew and Miss G. M. Housden
The marriage took place on Saturday, February 16, at St Paul's Church, Grove Park, Chiswick. Detween Mr Anthony Dew, son of Mr Gerveys Dew, of London, SW1, and stepson of Mrs Dew, and Miss Gillian Housden, daughter of the late Mr Geoffrey Housden and of Mrs Housden, of Hereford. Court and Social Advertising, The Times, PO Box 7. New Printing House Square Gray's Inn Road, London, WCIX BEZ (telephone 01-837 1234, ext 7363).

Fellowship of Engineering

The Duke of Edinburgh, senior fellow, was in the chair at the annual general meeting of the Fellowship of Engineering held at St James's Palace on February 15. Lord Hinton of Bankside, president, reported upon the activities of the fellowship during the past year. The following new fellows were elected:

rear. The following new fellows were elected:

Professor B. Atkinson, Mr P. A. AllaALV SIT Termice Reckett, Mr T. W.

SITIVAN . Termice Reckett, Mr T. W.

SITIVAN . Mr M. J. Cahalian, Mr I. M.

Lampbell, Mr T. T. Candiish Mr E. H.

Looke-Varborough, Mr J. F. Coplin
in: Clifford Cornford, Mr E. P.

Prowdy, Mr J. Deni, Dr W. E. Duck
rorth, Mr H. R. Deni, Dr W. E. Duck
rorth, Mr H. R. Deni, Dr W. E. E.

Leming, Dr A. R. Flint, Sir Perica
added Mr A. E. Evetts Dr M. G.

leming, Dr A. R. Flint, Sir Perica
added Mr A. E. Lewis, Mr A. M.

Louseman, Mr M. A. Kirkby, Professor

J. L. Lee, Mr G. M. Lewis, Mr D. Mc
cornald. Sir Louiz Mathason, Mr

A. Lee, Mr G. M. Lewis, Mr D. Mc
cornald. Sir Louiz Mathason, Mr

A. E. N. Maswell, Mr M. M. Milne, Dr

A. L. W. Maswell, Mr M. M. Milne, Dr

A. D. Sims, Mr L. Polis, Mr P. Rein
perica
added Mr G. G. Scarrott, Professor

J. D. Sims, Mr L. Sinclair, Mr J. P.

adding Mr G. G. Scarrott, Professor

J. H. Westcott, Wr J. S. Walsh,

Tofessor J. A. H. Westcott, Wr J. S.

V. L. Willinson, Mr C. T. Wyan and

dr H. L. Yeadon, Mr C. T. Wyan and

dr H. L. Yeadon,

Premium bond winners Winning numbers in the weekly draw for £100,000, £50,000 and £25,000 Premium Savings Bond prises announced on Saturday, are: £100,000: 6XT £60864 (location of prize winner, Glasgow); £50,000: 16PB 912350 (Warwickfire): £75,000: 14ER 26834 (Wandsworth, London).

Parliamentary diary

House of Commons House of Commons
Feb 11: Statement on steel atrike.
British Aerospace Bill passed the report
stage and read the third time by
302 votes to 235, Adjournment debate
about sexual equality House adjourned.
12.53 am 'Tuesday'.
Feb 12. Isle of Wight Bill read a
second time. Adoption 'Scotland' Bill
read a first time. Education 'No 21
Bill considered on report and
adjourned. Addomination beate about
of the Barlinnie special unit pecal
experiment. House adjourned. 2.33 am
'Wednesday'.
Fee 13: Statement on Rhodesta. Educaexperiment. Rouse adjourned, 2.33 am (Wednesday).

For 13: Statement on Rhodesta. Education (12: 2.) Bill completed the report stage and read the third time by 305 toles in 241. Adjournment debate about redundancies at Caine factory adjourned. 2.33 am (Thirsday).

Adjourned. 2.33 am (Thirsday).

Statement on Thirsday and allow-action of the stage and read the shift in assed the report stage and read the third time. Adjournment debate about allocation of EEC non-quota aid to Northern Ireland. House adjourned midmight.

Feb 15: Abortion (Amendment: Bill wither considered in committee and solicious of the stage and the stage and read to Northern Ireland. House adjourned in committee and solicious of the stage and the stage and read the stage and r

13 Industry Bill and British Acrois Bill both read a lirst time Natal
I Heritage Bill and Marrimonia
ics (Co-ownership) Bill both read a
nd time. House adjourned, 10.15 From time. House adjourned, 10.15 mm

Feb 13: Lord Keith of Castleacre and Lord Emshir Introduced Statement on Rhodesia Debeto on economic policy. Criminal Justice (Amendment) Bill read the third time and passed Motion for econom reading of Interpretation of Legislation Bill withdrawn. House adjourned, 10.77 pm

Feb 14: British Olivetti Limited Bill and Cagle & Globe Steel Limited Bill both read a second time. Motion it take note of Government's alreport policy agreed in. Rebate on security situation in Northern Ireland. House adjourned.

England may be a green and pleasant land, and Wales a wet one. But it is an "absurd and complacent myth" that the two countries are universally blassed with a perfect summer rainfall, and the time is ripe for farmers, water authorities and the Ministry of Agriculture, Fisheries and Food to pay attention to the fact.

Nigel Strutt, chairman of the Advisory Council for Agriculture

hunt, last week presented its final report on the future water needs

Although the report is the coun-

155,000 million gallons a year in the next 20 years, and, within that, demand for irrigation is

likely to quadruple to 80,000 million gallons.

About £200m of new investment

is needed to provide the extra water, largely on-farm reservoirs; but the economic benefits of the

investment should be considerable.

to he worth £16m a year in improved yields. By the year 2000

that could rise to £50m at con-stant prices. For that to be achieved, water authorities will have to plan to meet the extra demand, farmers must realize that

irrigation can bring real benefits,

and the Government must provide attractive grants to encourage farmers to build storage facilities.

Already Irrigation is estimated

of agriculture.

to pay attention to the fact. That is the message from SIr

Parliamentary notices

House of Commons
Today at 2.30: Broadcasting Bill, second reading. Double Taxation Relief (Taxes on Income). The United States of America') Order. Tomorrow at 2.30: Debate on Opposition motion on need to pay pensions and other benefits weekly through the post office. West Midlands County Council Bill. Lords amendments. Wednesday at 2.50: Debate on the Scottish economy. Motions on Farm and Horticulture Capital Grant Vanalion's Schemes Order.
Thursday at 2.30: Debate on airports policy. 43 71: Options Members. Bills policy. Fridas at 9.70: Private Members' Bills.

Select committees
Today: Home Allairs Committee. Sublect: Law relating to public order,
witnesses: Memorphilite order,
witnesses: Memorphilites order,
witnesses: Memorphilites,
J. 30 p.m.
Tomotrow Foreign Affairs: Overseas
Development Sub-committee. Subject:
implications for and development of
the lacroses in seer as structured or
the lacroses or Numerses. Sir Derek Rayner. Room B.
4.70 p.m. mmittee. Subject: The Government of the new nuclear course programme. Room S. 10.45 a.m. public Accounts. Committee. Subject: Thames likal defences. Wimerses sidelinetry of Agriculture, Flaheries and Food. Wimerses Sir Alan Controll

Bethen and Mr J Monrouse, was armembers of the European Parliament. (Apr.) Thursday Select Committee on EFC Legislation. Subject Reports of the Three Was Men. Withester Mr E. Noel. Secretary-General and other recressrutives of the EFC Commission. (All day in Brussels). Laborators Asimals Protection Bill Witnesses from Refitsh Psychological Society. British Pharmacological Society Physiological Society, and the Association for the Study of Animal Rehaviour. (Loam.) Farm water needs likely to double in 20 years

Nicholas Timmins

Agriculture

The report argues that irrigation can play a vital part in reducing year-to-year variation in crop and Horticulture in England and Wales, which, as one of the vic-tims of the Government's quango yields, in improving quality and ensuring continuity of supplies to market. Potatoes, sugar beet, soft fruits, some veretables, dessert apples, grasses and cereals can all cil's last, it casts a long shadow. It calculates that farmers' needs for water are likely to double to

Yet while there was significant expansion in the area of the country irrigated hetween 1955 and try irrigated between 1955 and 1963, it took the drought of 1976 to produce a renewal of interest in irrigation.

While, in general, present sup-plies are sufficient, the report says that in almost every summer pro-duction is restricted by shortages of water and there are few years when crops in most lowland areas would not gain from extra water at some point in the growing

at some point in the growing season.

"The farming economy has changed a great deal in the last 20 years, and we can no longer afford the penalty of a bad year, if for no other reason than that fixed costs are too high for that and likely to remain so. To meet these, farmers have to have more reliable yields." Recent research on plant physical strength of the national scheme from 20 to its full potential without the right ology, coupled with the length of the part of the grant for supply of water."

The difficulty of increasing irrigation is caused by cost. Much of the extra water will have to come from on-farm storage, the report says, taking advantage of surplus water from winter rain and sum-

mer storms.

The cost of a reservoir to irrigate 36 hectares of early and main-crop potatoes and sugar beet is about £35,000 for a lined reservoir and £19,000 for an unlined one. A dry year early in the life of the investment can offer a great prize. But in the short term, installing irrigation is one of the less certain forms of agricultural investment, the report says, even if in the long term its advantages are beyond dispute.

"We helieve the pressures on farmers to achieve higher yields. better and more consistent quality and a more assured return will lead to a much more widespread.

lead to a much more widespread recognition of the value of irri-gation to the individual farm business."

business."
The week before the report was published, the Government took a forms of capital investment, but small step to meeting the recommendations by increasing the grant than making the best use of soil.

cning growing season arising from new seed treatments and transplanting techniques, indicates that in many cases full potential production is restricted by the inability of the soil to provide sufficient moisture. If that is confirmed, a much wider use of irrigation will be needed to provide higher and more stable yields.

The difficulty of the soil to provide higher and more stable yields.

By Our Medical Correspondent

One of the most striking medical advances in the 1970s was the development of techniques for dis-

covering early in pregnancy whether the foetus has a major abnormality of the brain or spinal cord such as spina bifida.

cord such as spina bifida.

Tests are widely available for momen who have given birth to a help, with that sort of developmental defect, and in some ports of the country screening tests are being offered to all progrant women. As a result, selective ter-

ministicn of pregnancy is reducing the numbers of hirths of infants with spina bilida and related differs.

Termination of pregnancy

those circumstances has to be delayed until the diagnosis is certain, which is not until the eighteeath or twentieth week, and all concerned find the late abortions.

tions distressing. An alternative approach is being investigated by a group of zenencists and paediarricians led by Professor R. W. Smithells, of Leeds University.

Woman at work: Miss Anne Claxton, aged 24, the first

woman to receive the certificate of the Farriers' Company,

shoeing the horse, Clancy, at Yew Tree Farm, Toft, Cheshire. Mr Franklin Birch, the company's registrar, said

approach is being investigated by group of genericists and paediarricians led by Professor R. W. Smithells, of Leeds University.

Spina biflda is more common in

Forces

The Army

Royal Air Force

Royal Navy

Science report

Paediatrics: Vitamins and spina bifida

the children of women from dis-advantaged backgrounds suggest-ing a possible link with nutrition, and several research studies have hinted that one important factor may be vitamin deficiencies at conception and shortly afterwards. That possibility has been tested with the consertation of 185 women who had given birth to infants with

with the conneration of 185 woman who had given birth to infants with spina bifida and who wanted further pregnancies, even though the risk of a second child also being affected is substantial: about one in 20. The women agreed to take a mixture of vitamins and iron for at least 28 days hefore attempting to conceive and to continue the multivitamin treatment until the third month of pregnancy.

The outcome of those pregnancies was compared with those in a control group of 264 women who had also had previous handicapped infants but who were either pregnant when first seen or declined to join the volunteer group.

Appointments in the

Royal Navy
GAMARYS V. M. Howard. MOD with
ALDS (POI) as director of defence
points (Cow). And 225 C. M. A.
COMMANDERS: C. W. Colin, Glamorpen in cmd March 17. L. M. Mackell,
MOD with DNAW. July 4. M. Mackell,
Outrie, Rai SC Bracknell on frecting
siaff, March 28. D. W. Pike Mercury
as ever oils. June 10. D. C. Levis.
Thurstere is head of complementary
studies. And 1. A. H. C. Yark MOD
with Gabact Office, South M. D. C.
Littleichne, staff of FOSBe 3. Swith
Staff of FOSBe 3. Swith
Staff of Pospher as Swith
March 2. J. A. H. C. Collingwood
As Swith Collingwood
Heron as executive, July 8. J. Pospher
MOD with Nat Ser. July 8. J. Pospher
Rodfermant
VICE-ADMIRALS, Sr. James Impoles
References

NICE-ADMIRALS, Ser James limgius, Acril 21: Sr David Lorem, May 2, REAR-ADMIRAL: J. H. D. Nunn, Acril 21: Acril 21: Nunn,

April 1 CAPIAINS: R | P. Brath, May 1: G A Thwaites, April 2 COMMANDERS: M. J. Neecs, April 5; J. M. Williams, April 12.

The Army
COLONELS S. E. G. Fraser. RE MII
staff on July GR as DD planning. Fish
staff on July GR as DD planning.
Massan GM, CAD Longiown as
Commit, 169 20; LICON F. W. K. Tuck.
RE RAS Weshington as RLO engr US
Army WERDC. Fish 20;
LIEUTENANT-COLONELS. M. L. A.
Baughlet, RCT-HS. SHAPE as special
assist 1GSO1: 10 COS SHAPT. Feb
assist 1GSO1: 10 COS
BART. Feb
as

R VICE-MARSHAL, D. P. Hall, HO GR AS AOC. FAB 23. R COMMODORE, R. K. HOOAS, MOD SAN RAT MBP OF Bd, Fab 23. V. Loblev, MOD AS DNP: PE1. Feb

25.
GROUP CAPTAINS J Broughton.
SHAPE as Depy UKNMR!Air. Fee
23: E. Kinder, HO AFCENT AS Depy
Cont B & D Div. Pee 25: P. J Hector.

her examination results were "well above average".

" Something fairly substantial on those lines is needed to give the right sort of stimulus to farmers to huild storage facilines". Mr John Blackburst, head of the NFU's environmental department, says.

The report also urges a change

radical change in (armers' attitudes to irrigation, the report says, and the rate of uptake is likely to accelerate during the next two decades. "Costs can be saved by other

church, a sacrament in brick or stone; or the vicar, a personifi-cation of "religion", a sacra-ment in flesh and blood. criticize that situation, or to suggest that the lay section of That may be perfectly correct and true, in which case all is indeed well; but it is by no the synod is about as une presentative of the community at

large as it would be possible to be. Synod membership is a means the conception of the Christian religion held by the hobby for the well-to-do layman church's leadership, whether inwith private means. carnate in the assembly of the general synod or in the person of the next Archbishop of Canterbury.

Both symbols of leadership stand for the idea of a church which can be centrally led, resent the best littuus test of the main preoccupations of ordinary members, have become

The synod's official agenda has certainly carried some vital in the synod's function or way business, and there bave been moments of high drams, but the prospect is rather less exciting. Ecumenism is in the doldrums; the rewriting of the liturgy is finished; women priests are off-court; and the World Council of Churches no longer provokes Anglican pre-judices in the controversial way it once did. The current synod arrangements suit the church membership is more staid than admirably, even if they buttress the last one, and the next, to be elected later this year, could well be more staid still.

As for the great majority of minimum. Membership of any Yet there is a dult ache of the population, so for the great majority of practising Anglicould add a week or two to passion, a feeling now gathering

cans, the church is the parish that; a leadership position in church, a sacrament in brick or the synod could add even more, stone; or the vicar, a personification of a soliton of a solit who is bound sooner or later to be the innocent victim of unreasonable expectations.

The general synod exists primarily not so much to govern the Church of England as to prevent Parliament governing it. Though Parliament still has ultimate authority over the In the course of its 10 years, church, the existence of this synod has grown equally a procedural maturity and procedural maturity and procedural dullness. Private grounds for not using that of style, for example, by allowthe synod has grown equally in procedural maturity and spiritual duliness. Private members' motions, which reparation authority; and Parliament's intervention in the Church of Eng- clergy in convocation, which land's affairs over the last 10 years has in fact been negli-

> But any substantial alteration of functioning would reopen the issue of the church's quasi-independence, and the church is in no mood for such a dangerous adventure.

> It probably fears total inde-pendence, which would feel like a token of national uninterest, more than it fears greater con-trol. Present church-state arrangements suit the church an illusion of significance, and even if they obstruct progress towards church unity.

Part of the present church-state contract is a synod whose procedural rules inhibit spec- constructive use.

Time to reanimate the synod's leadership image and style

The synod refused on Friday to consider possible simplifications of its processes for reasons that were convincing enough in themselves. But a thorough review would still be timely, particularly if directed

ing regular meetings of the exists for the discussion of stimulating topics after proper preparation.
Or the hishops could make

greater use of their right to meet and act separately. The bishops have far more freedom of action than they ever use. and could enliven the syned's

agenda to inject initiative into the church's bloodstream. The relationship between the bishops and the synod is itself imprecise, and the arrival of a new archbishop could be the necessary spur to have fresh possibilities explored. That would, at least, relieve Bishop Runcie of the pressures of false expectations and unfair disappointments, and turn the present half-hopeful mood to

21½ carat diamond ring at £519,000 is star of St Moritz jewel sale

by Sotheby's in St Moritz ended on Saturday in fine style, with the last lot, a marquise-cut diamond ring by Harry Winston, selling to a dealer from Geneva for 2m Swiss francs, or £519,000. Comparative prices for jewels are usually quoted in dollars, and at \$1.3m the 21.54 carat diamond becomes the most expensive single-stone

A single, circular-cut diamond ring by Boucheron made 900,000 Swiss francs, or £233.000, and an upmounted, marquise-cut diamond f 5.13 carats 310,000 francs, or

A rather less usual item was an Art Deco paper knife and clock by Cartier, which made 60,000 francs (estimate 35,000 to 45,000 francs), or £15,600. The blade was of agate, and the clock set as a handle in red and blue enamel, carved coral and small emeralds. The week of print sales held by Sotheby Parke Bernet in New York closed with Old Masters on Friday. with a Saturday session devoted to the work of the Surrealist. Maurits Cornelis Escher: Although most of the huyers in the first sale were dealers, the top price was paid by a private collector

from Europe. It was \$65,000 (estimate \$60,000 to \$65,000), or £28,260, for a complete set of 33 etchings with aquatint of the first edition of Goya's "La Tauromaguia".

There was a record of \$30,000, or £13,043, for an etching by Adriaen van Ostade, "The Breakfast", (estimate \$4,000 to \$5,500), and a particularly good impression of Rembrandt's "Beggars receiving aims" in the first state reached \$24,000 to \$30,000 to \$40,000 to \$4 \$24,000 (estimate \$14,000 to \$16,000) or £10,434.

\$16,000) or £10,434.

The total for the Old Masters was \$1,386,750, or £602,934, with less than 1 per cent bought in.

Only one of the prints by Escher failed to find a buyer, and the top price of \$30,000 (estimate \$40,000 to \$45,000) or £13,043, was naturally a record for his work. It was paid by an anonymous dealer, for the remarkable "Metamorphosis III", a woodcut printed on six joined sheets of paper measuring overall 71 in by 2444 in.

An impression of what is permeasuring overall 7½ in by 24½ in.

An impression of what is perhaps Escher's best known print, the woodcut, "Day and night", in which black and white geese alternate above mirror image towns, went to a German dealer for \$13,500 (estimate \$8,000 to \$10,000) or £5,869. This session made a total of \$656,350, or £285,369.

Tokyo auction success

in Japan, with more than 2,000 sequences. people thronging the Hotel Okura, Tokyo, for the six sessions of the first open auction in Japan. Previously sales in Tokyo have been open only to dealers.

Of 850 items up for auction, 71 per cent were sold for a total of 15,490m yet, or £2,741,566. Since most of the audiance had never been to an auction, Christie's introduced some innova-tions. Each session opened with an explanation of how a sale works, the reserve price, the premium, and bids made on commission by the auctioneer. That was followed by the auction of

Twenty-one women had miscar-riages, but no developmental defects were found in the foctuses. That is a substantial reduction

That is a substantial reduction in the expected recurrence rate, and the most likely explanation is that the vitamin treatment is responsible. Spina bifida is, however, one of those disorders with a long history of false dawns of optimism, and the results will be greeted with caution. The research group recognizes that some other factor, as yet unrecognized, may be operating, so it is hoping that

he operating, so it is hoping that other genericists will try the same treatment on their patients.

Source; The Lancet, February 16, p 339.

Royal Navy

The following candidates have been declared successful in the 14 Royal Navy/Royal Marines tholarship competition:

Royal Navy

R M. Alton. King's S. British. M. A. Annos. Hummershani S. Darlington:

J. Ancoral. Daniel Siewari's and Meiville G. Lainburgh: D. J. Andersom. King's S. Rochesler; P. G. Barton. Royal Mesulal S. Ipswitch C. W. Brissland Hartwelle Wallington HS for Barton-Hartwelle Wallington HS for Medical Medical Coll. Framingham (Coll. Shriffeth. Pitter of the Medical Framingham (Coll. Woodberder, Child. Framingham, S. Boundict, S. Edina: E. T. Dewing, Portsmeuth S. Edina: E. T. Dewing, Portsmeuth S. Edina: E. T. Dewing, Portsmeuth M. G. T. Dewing, Portsmeuth S. Edina: E. T. Dewing, Portsmeuth M. G. J. Griffiths. Cannord S. Wimbours: C. L. Hide, St. Bondicc's Coll. Phymouth: N. 4 Hodorf. Andrew M. G. J. Griffiths. Cannord S. Wimbours: G. L. Hide, St. Bondicc's Coll. Phymouth: N. 4 Hodorf. M. A. Hone, Gullsbarough County S. Northammonabler. S. Bleckiriars: S. B. Howell. Crambrods Coll. Herifordshift: R. J. Simbon. Monmouth S. Mercol. S. Bensiche's Coll. Phymouth: J. A. Morso. Sharborine S. Deysel N. P. Purkiss. Rishnop's Storiford Coll. Herifordshift: R. J. Simbon. Monmouth S. Gwent R. Stokes. Portland Comp S. Werksng: D. O. Stroud. Newton Knatchhul S. Ashford: I. R. F. Tattersfield. S. George's Marpomden: C. R. G. L. Tavis, Winderstein Marpomden: C. R. G. L. Tavis, Winderstein Marpomden: C. R. G. L. Tavis, Winderstein Marpomden: C. R. C. L. Tavis, Winderstein Marpomden: C. R. Marpomden: C. R. C. L. Tavis, Winderstein Marpomden: C. R. Marpomden: C. R. Marpomden: C. R. Marpomden: C. R. C. L. Tavis, Winderstein Marpomden: C. R. Marp

ROYAL MARINER J. G. Morgan, The Royal GS, Lan-

scholarships

Royai Navy

chester. GS, P-millh.

expected.

typical bidding demonstrate

A currency converter board was used to help foreign buyers, the sale being conducted exclusively in Japanese by Sir John Figges, director - of Christie's oriental department in London. The highest price was paid for a painting by Marc Chagall, "Flancés sur fond vert", a typi-

cally colourful composition couple floating above the rooftops, which realized 78m yet (£138.053) (estimate, 65m to 80m yen), a record price for Chagall reaffirm ing his position as the most expen-The buyer was Mr Seijiro Matsuoka, a Japanese museum

sive artist alive today. two dummy lots, in order to

University news

Newcastie The following are to receive The following are to receive honorary degrees on May 9:
DCL Mrs Marsaret Slovens Murray. Lord Mayor of Newtastle upon Tyne 1979-80: Mr Edward G. Harness, challman of the board and chief executive officer, Protect and Gamble. BSc: Mr Francis Thomas Bacon, FRS. layendro of fuel cells and consultant to NRDC: Professor Frank Press, director, Office of Science and Technical Policy, Executive Office of the President of the President of the President aince 1977. MA: Canon Albert John Bennin, Marciar of Risby 1969-79.
MMess Miss Velentine Orde cellist. music teacher and coach.

defect of the spina bifida type, and 188 gave birth normally. In all, 13 of the infants or (octuses had defects of the type being studied, a recurrence rate close to that expected.

In contrast, of the 185 women treated with vitamins, 137 have given birth to 140 normal infants; 26 are still pregnant but tests show no cause for concern; and only one has had a further affected infant.

Twenty-one women had micro-

M'ales
Appointments
Honorary professorial follows at
Honorary professorial follows at
Desystwyth: Emeritus Professor Joseph
Frankel, on mermational relations, and
Dr. Roger P. Morgan, head of the
European Centre for Pointical Studies
at the new Pelicy Studies Institute in
London since 1978.

Ricoringham

Queen's Belfast Uneen's Beliast
The following honorary degrees
are to be awarded in July:
LLD: Lord Lowty of Crossnar: Sir John
Anderson: Thomas Kenneth whitaker;
Sir Arthur Armildge.
DMuss: Professor Denis Midgley Arnold.
DLI: Professor Emeritus James Camiin

Beckeri.
DSc (Pure Sci.): Professor Alexander
DSc (Appl. Sci.): Dr Joseph Albert
Pone. Ronald Siewert Puni.
DSc (Econ.): Sir Charles Carter.
MA: Vrs Gledys Marcabe.
MA (Ed.): Hugh Alexander Boyd.

Heriot-Watt Appointment
Lecturer in petroleum engineering:
J. S. Barck, ASC (Heriot-Watt). Salford

Santoro
Appointments
L'eturers: R. J. Towell (modern lanquages: A. J. Buxton (economics):
Dr. C. G. Morgan (blochemistry): Dr.
T. W. Wallace (chemistry and application)
W. Craig.
W. Craig.

SHAPE as CSIS. Feb 4. J. M. Lewendon. HO RAFG as CA. Feb 4: I. M. Lewendon. HO RAFG as CA. Feb 4: G. F. Berchard. F. F. H. Herricon as an ris. Feb 4: K. F. R. Herricon. HO 11 Gp as SOA; Feb 18. Feb 18. WING COMMANDER: (atring group captaint): G. G. H. Pierre, HO RAFSC as CA. Feb 4. WING COMMANDERS: K. Bichard. SHAPE as OP analysi. Feb 18. F. D. Buick, HO RAFSC as Taceval log. Feb 18; F. Bullock, NAMMA as proj off. Feb 18: T. W. Watters. MOD Harrouale as Su 40: RAF1: Feb 18: T. F. Burke. Eastern radar as OC. Feb 20: S. W. J. Holding. RAF Lecenting as CICFS: Feb 22: A. F. Nicholas. MOD for AEW. Feb 22. M. VIILLER, RAFM Wegberg as sen matron, Feb 22. 25 years ago From the Times of Thursday, Feb 17, 1955

Miss Helen Keller

Age does not wither the courage of people like Heien Keller, the American woman whose triumph over the loss early in life of both sight and hearing has for more than half a century advanced the cause of those similarly disabled. At 74 Miss Keller is setting out with her companion. Miss Polly Thomson, on a 40,000 mile tour of the Far East to interest governments and peoples in the welfare ments and peoples in the welfare of the blind, and yesterday she held a press conference in London where she is staying until she leaves for India on Saturday. Miss Keller is a short figure but sturdy Acher is a snort lighte but sturdy and erect with a strong-featured face which also bears the years remarkably lightly. Miss Thomson, her companion for 40 years, stood beside her. Miss Keller's right hand clasped in that of her companion to receive questions since nand clasped in that of her com-panion to receive questions via the manual alphabet. Sometimes Miss Keller would also place her left hand on the side of her com-panion's face feeling her words. That was the way she learned to speak. Miss Thomson said the questions aloud as she transmit-ted them by hand and repeated her friend's replies.

OBITUARY MR F. W.

BROOKS

Studies in medieval history A correspondent writes: Mr Frederick William

Brooks, Reader Emeritus in Medieval History in the University of Hull, died on January 31, at the age of 80. Fred Brooks was born in Lincoln and educated at Lincoln City School. After a short spell in the Army in 1918 be went up to University College, Notingham, where he took a first in History (London external) in 1922. He went en to take his MA in palaeography, diplomatic and historical sources in 1924, afterwards supporting himself as a school-teacher in Lincoln while he pursued his research into the navy under John and Henry III. It was there that he first conceived a life-long innerest in local history, through his exploratory work in the Lincoln

I slerling

Money

borough archives, and began his long relationship with the Historical Association. In 1926 he completed his prode Chartes, Paris. He always regarded this as one of the principal formative influences in his life, rhough arguably it made him too much of a perfectionist. fectionist.

After further schoolteaching, and a temporary assistant lectureship at University College, Leicester—it is suggestive of the conditions at the smaller universities in these days that for a term he was in days that for a term he was in sole charge of the history department—he went to Hull as Assistant Lecturer in History as the new university college, then only one year old. There he stayed until his retirement in 1967, except for the war years, when the college was virtually disbaoded and he again retreated to a school-teaching post in Lincoln. Like many university lec-turers of his generation, he

sacrificed his own research to teaching. Hull did not boast many students in the 1930s, but Brooks, with the late Professor Conrad Gill, was solely responsible for taking them through the demanding syll-bus for the London honours degree. Moreover, his awareness of the need of plant to forge links between the new college and the local com-munity led him to assume heavy additional burdens as an extra-mural tutor in the East Riding and Lincolnshire. So, although in 1932 he published a mono-graph on The English Naval-Forces 1199-1272 which was sufficiently authoritative to be reprinted tharty years later, his further output was small, con-sisting of a number of editions of manuscripts from local archives, notably The First Order Book of Hull Trinity House 1632-1665 in 1942, and a scattering of articles in learned journals. He was one of the first Readers appointed by the University College in 1946, but on Conrad Gills retirement in 1949 the chair of history eluded ham, and so sub-... sequently did a personal chair, which many felt he richly deserved. However, he took his disappointment unflinchingly, it in high

himself.
In his retirement his plans
for a history of Hull, a monograph on medieval stained
glass, and a history of Hull
Trinity House, were gradually
abandoned, though his study
was stacked high with notes on
all these subjects and more. 10033 This was a tragedy, for his knowledge of many aspects of local history was absolutely unrivalled, and even the pamph-lets be published for the His-torical Association, notably one on The Council of the North

on The Council of the North

(1953), display this knowledge
and also a gift for lucid and
elegant exposition.

His work in the field of local
history for the Universities of [6] [0] [1]

Hull and York, and for the Historical Association made his

name throughout the region and farther afield, and led york to award him an honorary by doctorate in 1968. His wife Dorothy, who gave

him unstinging encouragement; and support in all his activities for nearly half a century, died in 1975. They had no children.

CHARLIE CAIROLI AMERI SULL Charlie Cairoli, one of the best known of circus clowns to

perform in this country, died, yesterday at the age of 70. Instantly recognizable with his visual hallmarks of bowler hat visual hallmarks of bowler hat and shiny red nose he had delighted audiences at the Blackpool Tower circus for a period of nearly forty years.

Cairoli was born in France, the son of a juggler, and began his performing career at the age of five. In 1938 he left France and came to this country where and came to this country where he became the leading feature. of the Blackpool Tower circus, where he remained for 39 years until illhealth forced him to retire last year. His hamour which was based on his own family's habits of mind and thought was popular with the

family audiences holidaying in.
Blackpool and in particular he
had a great affinity with child. Cairoli is survived by his wife and three children.

Mr Henry Cave Daniel, who of project of 83, was High Sheriff of Somerset in 1949.

Lady Jones, widow of Sir Clement Jones, C.B. died on January 23 at the age of 90. She was Enid Soohia, daughter of Trevor Griffith-Boscawen, and she was married in 1911. Her kusband died in 1963.

Mr Rodney Thomas Murphy. who has died in Dublin was chairman of Independent News Dapers.

Lady Hewson, widow of Sirk Bushby Hewson, died on February 3. She was Helen Mary, daughter of Leonard Ropner, and she was married in 1933. Her husband died in 1976.

هكذامن الأحبل

- FT Gilts 66.02. ■ Sterling
- Index 73.0

\$2,2955

- Dollar 🗎
- Gold ·\$638.5 ·
- Money 3 mth sterling 171-17 is

3 mrh Euro-S 1512-1512

IN BRIEF Lord Grade faces £30m challenge to

franchise ATV the Midlands television company headed by Lord Grade, will face a £30m chal-lenge from a newly-formed consortium when it applies for the scontinuation of its franchise. Midlands TV, headed by Mr Stuart Wilson, a former Yorkshire Television executive and with the writer Lord Willis as deputy chairman, plans to con-test the franchise for the ATV

Independent Broadcasting Authority will decide this year which companies will run the commercial television network from January 1982.

Robot plant for UK

Condec Corporation of Old Greenwich, Connecicut said its Unimation unit is establishing a 35,000 square foot robot manufacturing plant in Telford, Shropshire. The plant, involving about 100 new jobs, will be par-tially financed by a Depart-ment of Industry grant of \$544,800 (about \$236,870). The National Research Development Corporation has agreed to provide \$953,400 in joint support for working capital.

: More Pricefighters

London Co-operative Society has increased to 16 its chain of revamped Pricefighter supermarkets, which have dropped dividend stamps in favour of lower prices. Takings at these stores have risen by an average 50 per cent. The chain should number 30 by the end of July.

Textile jobless rise

Employment in the cotton and allied textile industry fell he 5,300—or 7! per cent—dur-ing 1979 according to the Texrile Statistics Bureau. Spinning 'and wearing output in Decemdown on 1978. Almost 1,360 inbs were lost

£7.5m road order

, A £7,500,000 contract for the construction of a new link road, in the heart of Telford New Town, east Shropshire has been won by R. M. Douglas Construc-tion of Birmingham. This is the largest single contract placed by Telford Development Cor-poration.

Chemical joint venture

Manchem, the Manchester-based subsidiary of RTZ Chemials, and Staveley Chemicals are planning a point venture to manufacture sodium methoxide, used in the pharmaceutical, detergent and agrochemical indus tries. The plant at Chesterfield. may also make trialkylorthoformates, used on a wide range of chemical synthesis reactions.

Management survey

More than 400 managing directors supplied information for a survey in the magazine Chief Executive. Two-thirds admitted they spend too little time planning for the future. Half said they rarely went 20 minutes uninterrupted, Failure to delegate responsibilities was believed to cause constraints on effective management.

US steel curbs urged

Emited States speciality steel producers and the United Steel-aworkers Union have asked the Carter administration to put into effect a "trigger-price" system to slow imports of stainless and alloy tool steel products. The producers say they expect "a flood" of special types of steel from Japan, Western Europe and other foreign The International Labour Organization in Geneva predicts that employment in coal production will grow for the next 40 years. The industry's global labour force, now at some 4.7 million workers, will swell to six million by 1985, to 8.4 million by the end of the century, and to 11,6 million by the year 2020. Suppliers. Previous quotas set expired last Wednesday. ENDS STEEL

Liverpool protest

Australia S

2.14
39.25
8elgium, Fr 69.25
Canada \$ 2.73
Ochmark Kr 13.02
Finland Mkk \$ 500

The joint shop stewards committee of the Meccano toy plant at Liverpool, met yesterday to draw up a progress report for a meeting to which all 940 workers have been called.

THE POUND

Fank sells 2.07 28.25 56.75 2.66 12.47 8.50 9.28 3.37 86.09 11.08 11.08 1870.00 560.00

Gloomy report predicts that engineering orders could fall by 20 per cent

Top government officials will today be receiving copies of one of the most pessimistic re-ports on the state of British engineering, in an unprece-dented move by the industry to draw attention to its plight. Prospects for engineering companies have worsened considerably recently and the in-dustry now faces at least 18 months of severe recession.

New orders are predicted to

fall by 10 per cent this year. but the decline could be as high as 20 per cent. The new report has been pre-pared by the mechanical en-gineering short-term trends working party whose members, including senior industrialists trade unionists and Whitehall officials, are unanimous in be-lieving that the Government is unaware of the impact its eco-nomic policies are having on the health of the manufacturing

The report has gone to government departments, the National Economic Development Office, the CBI and the TUC "not so much as a plea for help but as a plea for recognition of the problem".

The Eminerating Employers'

The Engineering Employers' Federation (EEF), which has members on the working party, says the industry is being crippled by policies which could have a lasting effect on its competitiveness. Mrs Judith Harper, the EEF's deputy director of commercial affairs, said the Government's control of the the Government's control of the money supply was "a facade". More strict control of public

Norwegians

The Norwegian ministry

present. Since the proposals are more or less in line with what

the Socialist Left Party has re-cently demanded—on whose

support the minority govern-ment normally depends—there

Allowances in respect of capi-tal investment will be spread

over only 10 years instead of the present fifteen.

The only relief is afforded by a proposal to remove the pre-sent limit of a third on losses

which can be carried forward

real gain to the companies.

in their entirety.

Bank
buys
Norway Kr 11.66
Portugal Esc 113.00
South Africa Rd 1.85
Spain Fta 159.00
Sweden Kr 9.91
Switzerland Fr 3.92
USA S 2.36
Yugoslavia Bank

Tugoslavia Dnr 53.00

Rates for small sendmination bank

Bright future for coal:

to raise

oil tax

levels

Osin, Feb 17

From David Parton

80 and 85 per cent.

federation was calling for a de-cline in current spending, not for cuts in capital projects which his engineering. "There is no sign of cutting waste and inefficiency or the numbers of civil servants." she said.

In its report, the working party says that, since its last forecast in November, economic conditions have become even more discouraging. In view of recent events, in particular world political tension and the continuing escalation of oil prices, it is considered that here is a very real of unquantifiable risk of an outcome much

fiable risk of an outcome much worse that indicated by the new set of predictions:
Forecasts for new orders do not take into account large individual orders likely to be placed this year for nuclear power station projects, particularly those at Heysham and Torness, but it is felt that allowance for these investments would give "a misleadingly optimistic impression" of the industry's prospects. industry's prospects.
The working party says there

are already indications that the steel strike, coming at a time when the engineering industry's competitiveness is blunted by the strength of sterling and domestic cost increases, has led to loss of business to foreign competitors.

It adds that worsening relations with the Warsaw Pact countries could pose a threat to engineering. Mechanical engineering products from the United Kingdom sold to the Soviet Union and its satellite

ports. "Complete loss of new order from these sources would obviously be very harmful to the industry."

Referring to the impact of North Sea oil on the economy, the report says that between 1976 and 1979 the United Kingdows dom's overseas trade surplus in manufactured goods fell by an amount almost exactly matching the reduction in the trade

"This implies that North Sea oil has, in effect, yielded no net benefit to the United Kingdom at all. Britain has simply enjoyed an income from extract-ing oil in exchange for a reduction in income from manufacturing activity."

on manpower, the report shows that the industry's labour force declined steadily during 1979. In the 10 months to the end of October there was a net-loss of 27,000 jobs, a drop of almost 3 per cent. The down-ward trend has continued, and some industry observers esti-mate that a further 30,000 jobs will be lost in engineering this

The only encouraging prospect in the working party's view is that, in the late 1980s and as that, in the late 1980s and garly 1990s, high energy costs can be expected to justify additional spending on engineering projects to release new sources of energy. Equipment may be required for new processes, and if wind, wave, addl or solar devices becomes economically and environmentally. gineering products from the environmentally acceptable. United Kingdom sold to the they would require a large Soviet Union and its satellite amount of mechanical engineer countries represent 5 per cent ing work.

Ministers urged to

avoid building cuts By John Huxley

Next month's White Paper on public expenditure must show evidence of the Government's determination to resist'arbitrary cuts in building programmes, construction industry leaders have told ministers.

finance plans changes in the present oil taxation system in They believe that the Government's present commitment to the Norwegian sector of the North Sea which are likely to provide stability of public sector workload, on which the he viewed with dismay by the oil companies. With the comindustry is heavily dependent, is "too vague for comfort".

As the Government has come bined tax load already about 70 per cent, the proposals will bring taxation up to between under increased financial pressure in recent months. industry fears have grown that, The Norwegian attitude is that

as previously, capital projects will be axed. an upwards readjustment of the system is fully justified by the "We have stressed to minlheavy increase in oil values over the past two years, from \$14 a barrel in 1978 to about \$34 at sters our concern that the implicit commitment in White Paper last November of stability for our industry is honoured", Mr John Allen, president of the National Federation of Building Trades

Employers, said over the week-

should be no problem steering the changes through the Stort-ing (Parliament). The federation accepts that further public spending cuts are necessary if inflation is to As the tax rules stand at present, the oil companies pay contained and resources are a normal income tax of about 50 per cent and a special tax of 25 per cent based on a somewhat lower income. Tax is raid to be switched to the private sector. But it argues that cuts niust be made in current rather than capital spending.

the year following the period in which the income has been Mr Allen said that private investment was proving slow to earned. This credit period will now be reduced to three take off and required fresh impetus, which had to be provimonths, although the process will be staggered to relieve problems of cash flow. ded in the forthcoming Budget.
Construction industry confidence that its workload will not be cut back further has not The special tax rate is to be increased to 35 per cent, with no allowances for interest.

recent meetings with ministers. Only recently, Mr Michael Heseltine. Secretary of State for the Environment, wrote to industry leaders warning them that they could not expect to escape the affects of further

Government economies.

The prospect of further cuts has exacerbated tensions within the industry. After a brief recovery in 1979, each sector seems likely to suffer this year. The civil engineers—dependent on the public purse for about 90 per cent of their work— predict that activity in 1980 will fall to 50 per cent of its level in the early 1970s. House builders started work

on fewer homes last year than in any year since 1951. In the most recent inquiry by the National Federation of Building Trades Employers, only 16 per cent of 600 companies reported more inquiries for new work. Almost half reported fewer. But differences have emerged over the industry's approach to Government. The Group of Eight, which brings together union, employer and profession representatives, has already been weakened by the with-drawal of UCATT, the largest construction union. Moves within the group to seek a crisis meeting with the Prime Minis-ter have so far been overruled. But internal pressure has grown to speak in stronger terms to ministers about the threat to the industry—hence the importance attached to next month's White Paper.

No European action over low-cost chemical products imported from United States

By John Huxley Trade ministers have rejected a call that they should take action at European Community level over the threat to the British chemicals industry posed by low-cost imports from the United States.

However, the Government has said it will monitor the situation carefully and will not besitate to go to the European Council of Ministers should this prove

necessary.

The request for action, which came in a Parliamentary Question tabled by Mr David Crouch, Conservative MP for Canterbury, reflects growing anxiety in the industry. In a recent report sent to ministers, the Chemicals Industry Association said: "There is widespread concern about the potential increase in imports of chemicals from the United States, based on their competitive advantage derived primarily from the current ex-change rate and feedstock and

expected to give details of Com-

fibres.

Britain has sought approval to impose quotas for imports of polyester filament yarn, nylon carpet yarn and tufted carpets of man-made fibre. The indications at the weekend were that the Commission had turned down an immediate move to curb tufted carpet imports in favour of protection which would be triggered when pene-

phase out controls on oil prices by September 1981, and on gas prices by 1985, it has been told by British ministers that these

energy costs".

Later today, Mr John Nott,
Secretary of State for Trade, is

would be triggered when pene-tration reached a specified

level.
The British case for protec-Although the United States has announced its intention to

price controls provide certain sectors of American industry with an unfair trading advan-

The fear, now recognized by the Government, is that these advantages, combined with a favourable rate of exchange against sterbing, will be used to attack British markets upstream from fibres. "American producers which have been enjoying a buoyant home market may well take advantage of these when the approaching downturn in the United States economy takes effect," the association believes.

believes.

The result could pose a severe problem for the whole of the European industry, particularly in heavy organic chemicals, polymers and fibres."

Mr Cruech said that regulation of seniors properly prices is causing tion of energy prices is tausing serious distortion in the European marker for hydrocar-bon feedstocks. He has also asked the Department of Trade to press the United States to allow, the free, export of gasoline, naphtha and gas oil. Meanwhile, research reports in the United States suggest that the pressure on American



Mr David Crouch : America's energy subsidy causing 'serious distortion' in Euroenergy fibres producers to export to Europe will intensity pean market.

Petrochemicals group in secret talks to iron out differences

By John Huxley

Leaders of the petro-chemicals industry will be locked in for a 24-hour session Leaders at a secret rendezvous today. The meeting represents what is believed to be a unique move by a sector working party, set up by the last Government as part of its tripartite industrial strategy to resolve differences. The petrochemicals SWP is one of 17 on probation. It has seen told that it will be axed if it can not prove its useful-ness. Earlier this month a meeting with Sir Keith Joseph, Secretary of State for Industry, planned for roday was cancelled smid allegations by union representatives of salorage by the

Today, unions, multinational companies and Government officials under the chairmanship of Professor Patrick Rivett, will

international chemicals com-

Mr Roger Lyons, national chemicals officer of the Association of Scientific, Technical and Managerial Staffs, explained that there was a reluctance on the part of the oil majors to cooperate in analy-

Among the issues certain to be raised at today's meeting is the alleged interference in the export policy of Albright & Wilson, by its American parent

Mr Lyons has complained to Sir Keith Joseph that Tenneco instructions on trade with Cuba and South-east Asia contravene an agreement drawn up between the Government and the American company in 1978. This laid down the conditions

for the takeover.

ASTMS says managers fear curbs on trade with Eastern Europe may follow. This would

especially in the field of plan- Chemical report: British-chemi cal companies, under pressure from investors for short-term profits, are seeking higher margins on sales at the expense of increasing market share. By contrast, their West German counterparts have tended to concentrate on winning sales, according to a report on the two industries* published today.

The report comes at a time when the British chemicals industry is becoming increasingly anxious about its ability to maintain its traditional role as a contributor of a healthy trade surplus. In 1979, for example, chemicals exports exceeded imports by £1,568m.

The West German industry enjoys more efficient manning the report concludes. This means that the ratio of sales per employee is two-thirds higher curbs on trade with Eastern for German companies than for Europe may follow. This would British firms (the figures for threaten jobs. especially at the company's Whitehaven plant.

Jobbers act to prevent losses on trading

By Alison Mitchell Leading jobbers in the stock market are increasing the spread—the difference between the buying and selling price— on several shares in an attempt to stem overall trading losse: on these equities.

Among those shares affected are Whirbread, Bass, ICI and

However, Mr John Robertson, the senior partner at jobbers Wedd, Durlacher Mordaunt, denied that it would put any additional pressure on the small

'It is true that the small chap will not be helped generally speaking, but brokers can often get a better price for a 500 share deal than they can for a 25,000 share deal," he

The alternative to widening the spread would have been to reduce the size of the deal in which the jobbers were prepared to trade.
Mr Michael Sargent, a director

of jebbers Akroyd & Smithe: s. pointed out : " Institutions want to move large sums of money around and they want to deal is a large size of market. We need to widen the spread to It is not thought that the jobbers will be widening the

spread on any further stocks in the near future Several of Wedd's brewery gross trading profit for some time as a result of the sector decline in takeover activity and Whitbread and Bass have been particularly difficult. A few months ago Wedd

A few months ago Wedd changed round several of its leading jobbers, moving Mr David Mordaunt from the brewing to the leading equity pitch and replacing him on the breweries side with Mr Colin Campbell Golding, who was formerly on the leaders pitch, and Mr Ken Weston. All three are partners at Wedd.

Although the jobbing firms were thought to have been trading at a loss on their equity pitches in 'the autumn and winter, Mr Robertson admits that over the past month or so yolume has been "very good".

Oil producers look to the yen is thought that this may fer of 25 per cent of issued ld active Saudi Arabian in- stocks; 2, transfer price to be

Tokyo, Feb 17 Opec countries appear to be investing increasingly in the Japanese capital market, as a result of political movements against the dollar and the attraction of the yen which has dropped more than 20 per cent over the year.

According to press reports and Industrial sources, Saudi Arabia and Kuwait have taken Arabia and Kuwait have taken steps which clearly indicate a new Opec approach to Japan. The aim appears to be to increase the still negligible Japanese share in the operation of oil-money resources whose aggregate total since 1974 is estimated at \$198,000m of which the United Kingdom accounts

for nearly 20 per cent.
The Saudi Arabian Monetary
Authority (SAMA) purchased
national bonds worth 55,000m
yen direct from the Bank of Japan between November and January. Though SAMA had bought Japanese government bonds in the past, each purchase had been in units of between 1,000 and 2,000m yen.

herald active Saudi Arabian in-volvement in the Japanese capital market. There have been reports that Saudi Arabia and other Middle Eastern countries have invested in private Japanese portfolios, but operations have been sporadic and indicate no major policy decision from elsewhere.
Securities circles have re-

ported, however, that in January alone, inflow of oil money to Japan amounted to \$400m, more than double previous monthly inflows. Not only public but private portfolios through Japanese securities dealers were involved.

While the Saudi Arabian move will not affect the bond

and stock markets, since the transaction took place directly between central governments, a move initiated by the Kuwaici government may have stronger direct invert on Japanese in-dustrial and corporate secuc-tures. The Kuwaitis laid down four conditions as collateral to selling oil to Japanese firms. Terms proposed are: 1, mans-

at face value and not at current value; 3, assurance of annual dividend payment of 25 per cent; 4, representation of the Kuwaiti government on the board of directors. Such proposals were advanced to the Japanese fixes in the

course of negociations for oil purchases as from April.

Since Kuwait is the fourth largest oil exporter to Japan (after Saudi Arabiia, Indonesia, United Arab Emirates, and Iran) accounting for 9.1 per cent of total oil imports in 1979, it is held impossible to reject the Kuwaiti deal. It is reported that British Petroleum and Gulf, which are major importers of which are major importers of Kuwaiti oil, have also received similar proposals.

similar proposals.

Observers think the move spells out the desire of the Kuwaitis and other Opec countries to participate in the downstream sector of the perioleum industry, and that the current proposal is the beginning of positive moves designed to eventually replace the major oil companies.

By Bill Johnstone

Chicago set a thrilling pace as world's biggest commodities market

The man who oversees \$500,000m deals

Washington, Feb 17.—The commodities markets have had their share of difficulties recently, what with wild silver speculation and President Carter's decision to restrict grain sales to the Soviet Union. from the preceding year, but this is seen more as a psycho-logical palliative rather than a The government's own illustration of the effects of the These are fast moving markets, where speculation is so often the name of the proposals assumes an increase in the production value result-ing from increased oil prices of about 75,000m kroner (£6,700m) a year from 1980 to 1985. The state share of such an increase game and where trading calls for nerves of steel. And these are vitally important markets, where developments can influence patterns of global trade and balance of payments trends. would be 47,000m kroner (£4,200m), while the new proposals will bring this share up to about 65,000m kroner (£5,800m) if they are approved in their contrary.

Most people who have spent time on or round the futures markets become addicted to the pace and the excitement. Many people who have not been so fortunate to live in the midst of the lively, smare and courageous, futures traders, are often unaware of the thrilling pulse of these markets. Mr Robert Wilmouth is a relative newcomer to these markets, but among the best informed experts in the

futures business.

"I love this job. It's fascinating, it's the most interesting job I have even had," he said in an interview in his Chicago office the other day. Two years ago Mr Wilmouth abandoned a brilliant banking career to be-come president of the Chicago Board of come president of the Chicago Board of Trade, which, he noted, is "the world's largest private financial institution with an annual business volume of more than one half trillion dollars (£217.391m)."

Several years ago Mr Wilmouth held a rop position at the First National Bank of Chicago and then he moved to San Francisco to become president of the Crocker Bank and participate in a major revitalization of this institution. Now he seems so happy in the commodities business, that

he canishes thoughts of returning to canking.

He is, for example, looking forward to the completion of the Board of Trade's new facilities that will see an increase in the size of the trading floor from 19,000 sq ft to no less than 51,000 sq ft.

Mr Wilmouth worries about the Federal government's attitudes towards the commodities maddets and exidently four that modities markets and evidently fears that these bastions of free enterpoise may be come over-regulated by government,

happy in the commodities business, that he banishes thoughts of returning to bank-



grain on the Chicago futures market.

He said most traders accepted the gov-He said most traders accepted the government's decision to embargo grain shipments to the Soviet Union, but quite a few traders sa this as just another Washington move to curb the free markets. Further, some brokers believe the government's decision to buy all the grain that would have gone to the Soviet Union has established some kind of floor price for grains and thereby reduced risks in the market.

This factor accounts to some extent for the swift return of grain prices to around the swift return of grain prices to around pre-embargo levels. Mr Wilmouth added that the price levels also indicate to some

experts on the Board of Trade that the feeling is widespread that the Russians will be able to purchase all the grain they need on world, markets, prespective of the on world markets, prespective of the White House action
The Board of Trade's president said the exchanges had to act to control silver dealings when it became evident that a few large investors were set on taking physical delivery. He said it is a valid concern to question whether there really is enough continual silver supply to support a futures market.

He thinks there is, but that actions may have to be taken to restrict the number of contracts that any one investor can hold,
Mr Wilmouth is excited about the
interest rate futures contracts which the
Board of Trade developed and which worry
some Washington officials. He said he
did not think these contracts had
influenced interest rates or the nation's money supply.

money supply.

He did believe that commercial banks could hedge positions and make greater use of these futures contracts and that so far only about two to three dozen banks appear to be regularly using the markets. Mr Wilmouth said of the interest rate futures that "general interest in these is rising like a house on fire". Pension funds and insurance companies are highly active, so too are some big industrial corporations. Money market funds may soon become involved as well.

The Board of Trade chief said his ex-

The Board of Trade chief said his exchange's success rested fundamentally on its size, with the large number of customers and members ensuring a highly liquid market. He believed that the general public is aware of the risks of futures trading and that brokers do a good job of ensuring that people who do participate in the markets know all the dangers.

The Board of Trade is now designing The Board of Trade is now designing futures contracts for the stock markets, based upon the board's own index of common share prices. The board is also considering new contracts for heating oil and sunflower seeds. And even though the grain embergo affair closed the markets for two days and even though the silver actions have produced very weak silver volume, the Chicago Board of Trade

> Frank Vogl in Washington

'Shared goals' behind Japanese strength

The competitive success of the Japanese is not due to a low-cost and obedient labour low-cost, and obedient labour force, producers' collusion at home or unfair trade practices, but because the Japanese have taken industrial policy seriously from their first industrial ization only a century ago.

That is the major conclusion of a report published today by the Policy Studies Insultate on Japanese industrial policy. Japan's success has been due to an industrial development strategy that recognized the country's seed to develop a highly competitive manufacturing sectors of transforms' those ingrify competitive manufacturing sectors of transform the industries canable of high productivity and to create a firm base of investment and business policy, are report finds.

In little over 20 years Japanese industry has been transformed from one largely exporting the produce of the

exporting the produce of un-skilled labour to one command-ing a prominent sociation in the world in steel production; motor cycle and car manufacture and electronics.

increasingly aggressive export programme and allowed Japanese steelmakers to build large, modern, efficient mills "pro-ducing in the process the world's lowest-cost steel.

The report outlines the spec-

The report outlines the spectacular scale of Japanese investment in steel. "In 1977" it says, "Japan had 25 blast furnaces capable of producing over two million annual tons in volume; the United States had none and the EEC only seven."

Expansion of the motocycle industry was equally as marked and again the casualty was largely the United States. Despite the advantages possessed by American manufacturers, the "high investment, high volume approach of Japanese manufacturers allowed them to overtake their more sluggish western competitors", resulting in the Japanese commanding 77 per cent of the American market by 1974, while the British share had fallen by about 30 per cent in less than six years to 10 per cent.

Investment was also paramount in the electronics field, as was the Japanese attention to quality and process engineering, the report says, Japanese methods are highly refined in this field and that productivity figures in colour teleelectronics.

Development from the 1950s has been because of concerted efforts by the government to alter, influence and support paracular areas of andistrial policy. That influence and support paracular areas of andistrial policy. That influence and support paracular areas of andistrial policy. That influence are methods are highly refined in this field and that productively building.

In steel the Japanese investment in new fechnological methods offered by millionicers was to accelerate the expansion of its industry to such a despet that even through the crisis of the report, its industry to such a despet that even through the crisis of the report, its industry constitued in expansion from approximately that even through the crisis of the report, its industry constitued in expansion from approximately has even through the crisis.

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MANAGEMENT

16

Tying reward to performance at the top

many senior British managers to accumulate reasonable say are first earned. like a cease-fire : the Conservatives were newly back in office; prices and wages controls had already gone; and the top rate of income tax was reduced from 83 to 60 per cent, the lowest it had been for 50 years. A senior manager costing his

company £50,000 a year before his pension contribution, taking advantage of a company car and the full interest deduction, maximum life insurance, work overseas and voluntary additions to his pension package, might have seen his remaining discretionary income rise overnight to over 60 per

Now, it seems, further sizable increases in midddle and top management remuneration may be in the pipeline. Companies whose annual reports Divergence have appeared in recent months show evidence of a general rise in executive directors' pay; some report individual increases well over 50 per cent. Assuming "only" a 20 per cent increase, our senior manager could expect his discretionary spending power to have doubled

In my firm's 1975 submission argued that three requirements —no different in principle for management than for the shop--were necessary to ensur maximum motivation and maximum reward for achievement.

First, remuneration should

reflect the "market rates" for a fair day's work-and how well an individual does in carrying

Third; it should be possible in management remuneration positions should be material. ings-out-of after-tax income, so ... How can boards set the that job mobility becomes a example?

more practical possibility. these requirements were being met adequately in Britain, and until June we saw no reason to

One powerful answer to pleas that British management has been underpaid has always been that British industrial performance has been well below competitive international standards -not only in productivity, but also in export market share, in delivery performance and, perhaps-most disturbing of all, in product design and perform-

Few would disagree that Britain should have a high-wage and a high-productivity economy yet of late what we have been paying and what we can afford have been seriously out of line. The initial British Steel Corporation offer of 2 per cent base and 10 per cent for local productivity negotiation was one of the first offers to reflect the true position at shop-floor level. What about at management levels?

It is, I think, fruitless to debate the chicken or egg ques-tion, or rather the "pay pea-nuts, and you will get monkeys" response. The boards of British companies today have a unique opportunity to set an example out. throughout industry, by ensur-Second, differentials between ing that any further increases

First, top management re-We went on to argue that, in muneration systems should be the case of managers, none of restructured to relate rewards more closely to performance. The first step in this direction can be taken now, before any further pay awards, by carving out a portion (say 15 per cent) of existing compensation and tying it to performance.

Second, the incentive element geared to planned performance adjusted for the effects of inflation. Failure to achieve the plan should result in the loss of some proportion of the incentive element; achievement of the plan should result in expected total compensation. By the same token, achievement above target-assuming it does not result from an inflationary or similar windfall outside management's control—should result in an even higher incentive bonus.

Third, critical operating standards should be included in the criteria for incentive awards and, where appropriate, "relative" worldwide industry standards should gradually re-place "absolute" internal company standards as the criteria for measuring how well manage ment has performed. There i little point in paying British Leyland's top management for improving performance in British Leyland if imports continue to win 60 per cent of our domestic market.

British cars have to be able to compete with imports. in terms of performance, after-

sales service and added-value features as well as price, and to be made in an equivalent number of man-hours with comparable resources, before we can begin to talk of managers in the car industry being paid on levels comparable to Europe,

Japan or the United States. If the Chancellor were to remove the income-tax penalties on share option schemes, longer-term capital incentives for senior management might be of total compensation should be added to the essentially shortterm motivations of an annual cash incentive bonus plan.

Incentives

United States experience suggests that, even without such a concession, companies might still find bonuses earned over, say, four years well worth the cost. Some 90 per cent of the big United States corporations have long-term incentive plans, the rewards of which in many cases bear tax at rates no longer so very much lower than United Kingdom rates, and whose cost-unlike stock outson awards taken up-is also a taxdeductible charge against cor-

porate profits. This widespread use of longterm incentive schemes in the United States has frequently drawn the criticism that bonuses have become inseparable from base pay—expected and paid as a matter of right: with improper administration this can happen.

survey statistics have consist-ently shown that under such

pensation is reduced for top executives in a significant number of companies whose per-formance declines, and that companies more closely relating short-term changes in pay to short-term changes in performance tend to perform better over the long run.

Clearly there is no single formula for incentive bonus schemes; market characteristics and practice, corporate objectives and policies, operating profitability and competitiveness will all shape any one company's plan. Moreover, incentive compensation may be less applicable in certain industries, for example, where growth is slow or demand inelastic, or where external regulatory or other factors dominate performance.

However, there may greater scope for incentive compensation than is some-times assumed. Why should not some nationalized industries motivate and reward their top management with incentive bonuses—having, of course, decided to pay them competitive compensation in the first place? While the utilities such as gas and electricity might not be prime candidates, would not those pationalized concerns competing in worldwide mar-kets, such as British Airways and British Steel, have benefited from such an approach in the past—and might they not yet in the future?

John Woodthorpe Yet McKinsey compensation The author is a director in the London office of McKinsey &

Adjusting accounts for inflation

From Mr Anthony Meeson have increased threefold in the so have share prices of oil compast, The excellent article by past decade, and doubled in the panies holding large stocks of oil, which hardly supports their past five years.". Merrett and Allen Sykes in Business News (February 11) argues the case convincingly for the use of replacement cost accounting in the preparation

of business accounts. It also exposes the inconsistency inherent in the gearing adjustment proposed by ED24. Unfortunately, what Messrs Merrett and Sykes have failed to explain is that neither replacement cost accounting, nor current cost accounting (CCA). the variant of it proposed by Sandilands and largely adopted by ED24, is in fact a method of accounting for inflation.

Although CCA correctly allows for the increased (or decreased) cost of replacing assets used in earning the profits, it completely ignores changes in the real value of money (namely its purchasing power) and continues to relate profits calculated in today's devalued currency, to capital provided in past years, which may well have had a real value equal to many times its present nominal amount. This was made plain by Messrs Merrett and Sykes in paragraph nine of their article where they state somewhat ingenuously that, in con-sidering the National Income and Expenditure Statistics after adjustment to RC or CC net of tax profits (the Sandilands basis), "these profits are seen to be alarmingly low for 1974-76 and less than satisfactory in all later years particularly when it is remembered that general The replacement cost of oil prices (the retail price index) has been rising recently, and

It would seem to be selfevident that any system of accounting that requires the user to remember the changes that have occurred in the retail price index over the past five or ten years in order to appreciate the significance of the figures can bardly be seriously accounting for inflation.

Current purchasing power equally be described as comparable purchasing power perfect system of accounting Yours faithfully ANTHONY MEESON.

Senior Partner, Meeson Makinson & Co, Ashley House, 18/20 George Street, Richmond. Surrey TW9 1HD. February 12.

From Mr M. FG. Scott Sir, Messrs Merrett and Sykes (February 11) are right in be-lieving that ED 24 is confused, but their article only serves to muddy the waters further. They state, as if it were self-evident, that the extra costs of replace ment investment future cash flows and hence income". Why, then, one must ask, replace the assets in question? And who has bid up the prices of those assets and why?

thesis. They are right to reject the gearing adjustment in ED 24. A company with long-term monetary assets or liabilities would still need to adjust its interest receipts or payments for inflation even if it had no depreciating fixed assets and no stocks of goods, whereas it could not do so under ED 24. But Merrett and Sykes have

fallen into the same trap as Sandilands in thinking that no (CPP) accounting (which can adjustment is required in any. case. Do they really regard the whole of interest receipts as accounting) may not be a income which can be prudently distributed in our presentfor inflation, but at least it inflationary times? True, if I avoids this monumental error, consume all the interest, the money value of my asset may be unchanged, but that is small comfort if its real value is falling at 20 per cent per annum.

Historic cost accounting was doubtless imperfect, but it worked tolerably well in noninflationary times. CPP is, broadly speaking, historic cost accounting adjusted for the fact that the index of consumer prices, instead of being stable in the long run, is rising rapidly. It was the accountants original solution to the problem of inflation accounting, and it now being tried out in the United States. Could we not M. FG. SCOTT. Nuffield College, Oxford OX1 1NF.

'Drab image' of stores chain is challenged

From Mr Charles Kennedy

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GOTEL -YAR

Jerges (1) BORING ALL

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Sir, I think the slur on British Home Stores in Business Diary (February 8) was unwarranted. If BHS agreed to a pop record label entitled "Making love in a British Home Stores doorway" should they believe that this would increase their business or is it thought that they should agree since it might give their stores free advertising? Far from having a drab mage, BHS provide, among image, other things, we'll-designed light fittings well within the range of the average pocket as well as a reasonably priced variety of good refreshments in their very comfortable restaurants. Why run down a company which is obviously trying so hard and doing so well? Do we really have to denigrate everything British? A retraction here, please. Ross Davies. CHARLES KENNEDY,

GEC considers the case for taking itself apart

All things considered, the publicity which GEC has had recently for its ideas on taking itself apart—by floating off divisions as independent companies has been interest-ingly timed. After all, the group was until late last week engaged in a £100m-plus battle for further expansion of its already extensive empire, through the acquisition of Decca. That battle has been lost, but the ideas remain. Will anything ever come of them?

Group thinking on the matter and it has to be understood that the group, in this case, means a few individuals very to the policy-making centre-runs along the follow-

First, several GEC divisions are of a size to compare with their quoted competitors: but their management enjoys none of the recognition attached to the successful management of

gether with various interna-

tional studies carried out by the

National Economic Develop-

ment Council, suggests that it

It seems that one person in 12

in manufacturing industry is

engaged in maintenance, that

dustry over 20 per cent of main-tenance staff time is spent on

emergency work. On this basis. Brigain's annual maintenance bill could be as high as £10,000m to £13,000m—nearly twice the defence bill.

Reports issued by the NEDC's Iron and Steel Working Party,

which compare productivity in BSC plants with similar steel-works on the Continent, showed

that British plants had 21 per cent more maintenance staff

than their Dutch equivalent and

Swedish counterpart.
Three Central Policy Review
Staff comparisons within the

per cent more than a

maintenance amount to one-quarter of the value of the plant employed, and that in the engineering in-



Sir Arnold Weinstock, managing director of GEC: waiting the Inland Revenue to change its policy.

Second, for the purposes of most of the group's workers, spire much loyalty: given smaller units it should be pos-

Third, as things are at the moment, GEC could be a sitting duck for nationalization. Fourth, there are objections size anyway: for example, makes acquisitions and mergers difficult under antitrust and monopolies legisla-

As against all this there is the fact that size itself has clout, particularly when it is a matter of facing up to inter-national competitors who might very well be of a size to com-pare, not just with the relevant division, but with the whole group—and who might well use their trading and financial muscle accordingly.

Second, and potentially more tricky, there is the fact that companies are heavily dependent on others for their business. For example, many of the overseas companies

work was done by production

workers.

feeling of identity by, for were originally established to example, share ownership sell GEC products abroad : and sell GEC products abroad : and though they now have local manufacturing subsidiaries, their United Kingdom suppliers subsidiaries, still depend on them for an outlet to that market.

These argument have been bubbling in GEC's policy pot, in a desultory fashion, ever since the group set its mind to redressing the wrongs of share-holders under dividend control (though the immediate outcome then was the £178m floating rate note issue of March 1977) Most of the steam now is rising from the Schreiber Hotpoint Schreiber Hotpoint is an

oddity within GEC, for two reasons. First, the division is remarkably self-contained and independent of the rest: and second, GEC does not own all the shares. When the group acquired Schreiber to merge it with BDA in August, 1974, the

(not only are maintenance workers highly paid, often earning 20 per cent to 30 per cent more than their produc-

emergencies are always expensive in lost production) the

sive in lost production) the centre is right in recommending managers to ensure that the money is well spent. However, it may be that little real improvement is possible until more can be invested in new plant.

But the CBI points out the argument on investment is essentially circular. For it can

be argued that low investment levels reflect the degree of

overmanning, and if manning levels were competitive the in

vestment for each employed ratio would improve.

Tackling traditional lines of

demarcation between main-tenance and production staff might be one way of breaking

into the loop, and it is encouraging that the NEDC study

team recommended discussion of the case for production per-

enlarged company, on the understanding that it would eventu-ally be floated off. It seems that that moment may now be approaching—and that Schreiber may be used to test the water for the group.

Before GEC takes its ideas much further, however, there must be changes in legislation. Quite apart from the legal problems at the moment any attempt at dismemberment likely to produce a stiff liability to income tax for the shareholders. The Government has a com

mittee, under Mr John Nott, considering the legal problems: but it's the Inland Revenue's position that will have to change before GEC gets down to canvassing the idea internally. And even then, it's by no means certain that the group will go ahead.

some 250 centre staff of great experience, but in the breadth and depth of experience of our

The micro-chip revolution

Sir. Mr Scouller is, of course, right (letters, February 13). The challenge of the micro-chip is its versatility and its ubiquitous potential. But one of its strengths could well be its binding force, linking a great diversity of technologies, community services, manufac-turing and industrial processes and cultural facilities. It is no longer sufficient or only specific to their own acti-sensible to deal with each of vities, but in the common these in isolation. They can good. Our independence and

these in isolation. They can good. Our independence and now interact. Computing is stature is further demonstrated already merged into telecomby active governmental inmunications. It controls trans-volvement and support. mine our everyday affairs, to a fiercely competitive world, educate, to consult, to browse from the opportunities and and to relax. So critical study challenges of these new techand judgment of the interplay of these wider issues is increasingly essential, and Mr Scouller correctly sees the need for "an acknowledged centre of excellence ".

Centre (NCC). Our strength lies not only in the "centre of represented by excellence? 2,000 member organizations from government, local authorities, industry and academia, whose time and energy is harnessed to explore opportunities and resolve problems of importance—and these, not portation. It commands manu. Our aim is to help the facturing processes. And it is United Kingdom seize the beginning to help us to deter greatest possible advantage, in

> nologies. Yours faithfully. JAMES H. H. MERRIMAN, The National Computing Centre

Such an organization exists, Manchester M1 7ED. Adrienne Gleeson it is The National Computing February 14. Clapham Park, **Berisford**

An international group of companies principally involved in the merchanting, processing and distribution of key raw materials.

shareholders, Mr. E.S. Margulies, Chairman of S & W Berisford Limited, reports that despite difficult trading conditions resulting from the world economic climate and industrial unrest at home, the Group turnover for the financial year ended 30th September 1979 increased by 62%. However, net margins were affected by the unprecedented rise in the cost of money and this limited the increase in Group profit before taxation.

The total dividend proposed for the year is 7.5p net (10.7143p gross) - an increase of 79.1% on last year's payment. Says Mr. Margulies: "We very much welcome the freedom we now enjoy to reward shareholders on a more generous basis than for many years."

Shareholders' funds at the year end amounted to £119.5man increase of £17.5m.

Referring to the high level of interest rates, the Chairman says:

Clare Watson

Facing the new decade with restrained optimism In his annual statement to "The present cost of money both ΥUGAR

Ordinary Shareholders' Funds (£m).



here and overseas makes a substantial inroad into our profit margin, and we look forward to some relaxation in both domestic and overscas interest rates in the not too distant future." Concluding his statement,

he acknowledges the hard work and effort given by those who work in the Group, which has resulted in such creditable results in the face of very adverse conditions. The continuation of these conditions as we enter the new decade will effectively rule out the continuation of growth at the level we achieved in the last decade. Nevertheless, I view the future with restrained optimism, based on the inherently sound structure of the Group here and overseas, the quality of our management and traders, and our widespread activities over diverse sectors of industry."

Summary of Results

11 H A 7 Th		
TEAT NEED Tear ended 50	th Septemb	er.
	1979	1978
	£ million	£mill:on
Sales	2,170.17	1,541.50
Profit before	٠.	
tayation	32.23	31.54
Ordinary		V2.07
Shareholders'		
earnings	25.55	26.56
		بال.ال
Ordinary dividend	i 6.69	3.74
Shareholders' Funds		
Oracifolders Fulles	119.54	102.08
Earnings per share		
	28.37p	50.10p
Dividend per share (net)	7.5p	4.60625p
Dividend times covered	3.78	7.11

Copies of the Annual Report, containing the Chairman's Statement in full, may be obtained from The Secretary, S & W Berisford Limited, Berisford House, 50 Mark Lane, London EC3.

motor industry came to much the same conclusions; the British plants required 50 to 80 per cent more maintenance workers. An Economic De-**CHECKLIST**

Lonrho and Another v Shell Petroleum and Another: Court of Appeal held that in the case of multinational companies like Shell and BP, which hold 100 per cent shareholdings in sub-sidiary companies incorporated abroad, it is a question of fact whether the parent company has in its "power" documents in the possession of its overseas subsidiaries (that is whether it can produce them when required by arbitrators).

United Kingdom Association of Professional Engineers and An-other v Advisory, Conciliation and Arbitration Service: House of Lords found that, provided there had been a full examination of the issue referred to Acas, and that its conclusion was reasonable in the context of the findings set out, it was left to the judgment of Acas to decide what findings to make. and the courts could not inter-

Export credit: under new arrangements for fixed rate credit coming into force on April 1, the banks and other deposit-taking institutions take over the financing of British exports sold on a buyer credit basis. The ECGD will continue to give a subsidy to cover the difference between the market rate and the subsidized export credit rate.

Coal price increases: the price of coal to most industrial users is to rise by 20 per cent from March 1. Coking coal will rise by 15 per cent.

Time, money and maintenance in Britain Does British industry employ velopment Committee study of practice of employing crafts. United States and France, intoo many maintenance men? chemical plants in Britain, the men's "mates", that is, semi-vestment levels were more than
The evidence contained in a Netherlands. West Germany skilled labourers who fetch and double the equivalent figure for by the Centre and France told much the same survey issued by the Centre and France told much the same carry for the cratished, old but for Interfirm Comparison, to- smry—little difference in the exist in the continental plants gether with various interna- number of production workers, they surveyed. There, such but many more maintenance, managerial and administrative

There are two possible rea-sons for the differences. One is in increasing the level of mainthe rigid craft demarcations,

Clearly lack of investment tenance required, if United Kingdom factories are working

One person in twelve in manufacturing industry is engaged in maintenance . . . in engineering, over

time is spent on emergency work. The annual bill for UK industry could reach £13,000m

company.

value.

20 per cent of maintenance

repair job could involve six different tradesmen in Britain, but only two on the Continent. The other is that British equipment is older and more dilapidated than that of its overseas counterparts, as a result of years of inadequate invest-ment; and it therefore breaks down more often.

There is plenty of evidence to support both arguments. The NEDC's Iron and Steel Sector

Duties of a director towards his company can be said to fall those of care and skill in man-aging the day to day affairs of the company and, rather more difficult to define, fiduciary duries

The duties of loyalty and

good faith owed by a director towards his company, is an area in which parallels are fre-

quently drawn between the director and those of the trustee. Fiduciary duties are owed to a company and a com-

It has long been felt that a statement of the basic prin-

ciples underlying the relation-

ship between a company and

its directors would be useful

both to members' company

boards and others concerned

principle appear in several

Commonwealth and American

Acts, and it was recommended

by the Jenkins committee that

such a formula be incorpora-

A general statement of fidu-

ciary duties was incorporated

in the Companies Bill 1978 but

has now been withdrawn in the new Companies Bill.

However, part four of this Bill lays down a new fiduciary

duty, that directors should

have regard to the company's

employees in general as well as the interests of its members.

and goes on to state particular

transactions involving directors

which might give rise to a con-

flict of interests between a

director's personal interests and

those of the company.

ted into English law.

business management.

general statements of

with older, less reliable plant than their foreign rivals. Here the evidence is less specific, but undoubtedly investment levels for each employee are much lower in Britain than

Industry found much higher investment levels for each employee in manufacturing in Japan, France, West Germany,

and their directors, or connec-

ted persons. Such assets must exceed 550,000 or 10 per cent

of the company's assets in

Such arrangements, unless

done with the prior approval

of the company at a general meeting, are declared void at

the ontion of the company, and

even where restitution is im-possible or innocent third

parties have gained rights in such an asset, the director or

any other director with know-

ledge of the breach will be

liable to indemnify the com-

The provisions of the 1948 Companies Act relating to loans

to directors will be repealed and

replaced by comprehensive legislation covering loans, quasi-

loans (payments on behalf of the debtor to a third party),

and various other credit trans-

provide guarantees or security

Broadly, a company can only

pany for loss suffered by it.

The Confederation of British NEDC's Iron and Steel Sector the United States, and Sweden. Working Party found that the In the case of Sweden, the

sonnel helping out during breakdowns at both national and local level. It may not be much, but at least it is a start. Patricia Tisdall Enshrining duties of directors in law

carry for the craftsmen, did not the United Kingdom.

if the aggregates of the amounts do not exceed 55,000 or if it enters into the transaction in the normal course of business and the terms on which it does so are no more favourable than would be given to a third party of similar financial standing.

Although existing contracts of employment will not be affected, it will no longer be possible for a director permanently to entreuch his position on the board. A contract for a period exceeding five years which cannot be terminated by notice from the terminated by notice from the There is a limited exception company or can only be termi-nated on specific circumstances, to this in the case of a loan for house purchase given by a money lending company and not exceeding £50,000. Here, the will not be valid unless ratified at a general meeting of the restriction is that such loans must be generally available to employees of the company on New provisions have also been introduced to cover the transfer of substantial nonno less favourable terms. cash assets between companies

Loans can also be made to meet expenditure to be incurred for the purposes of the company or to enable a director properly to perform his duties as an officer of the company. However, such loans must be ratified by the company at a general meeting or be given on condition that they will not be paid if they do not receive subsequent ratification at the next such meeting. In any case, such a loan must not exceed £10,000. All such loans must be dis-

closed in the accounts and there are further provisions for disclosure of contracts in which directors have a material inof the 1967 Act and while qualifying contracts requiring dis-closure to those in which the director has a "material" in-terest, much fuller disclosure the interest and nature of the contract is now required.

Whatever problems the London clearing banks have had to face from their loss of market share of sterling deposits in this country in the 1970s and the growing cost of the domestic banking network, there has been little sign of these adverse trends in bank profitability, which over the past decade has run at about twice the inflation rate and somewhat ahead of the rest of British industry. In part that has been due to the expansion into other areas like hire purchase and most importantly international banking, but the chief reason—as the banks themselves worry about—is simply the "en-downent" benefit they derive in periods of high interest rates.

Whether or not the clearers have been resting too comfortably on the cushion of high interest rates, there is less doubt in the stock market which is dubious of the staying power of the big London banks. When the results season gets under way this week with the figures from Lloyds on Friday, the clearers will certainly have done very well out of rising interest rates and a level of loan demand that has given the Government shivers over its effect on

monetary control.

And that has been achieved despite a generally stodgy performance overseas due in the main to the razor-thin margins in Eurocurrency business where the clearers have been making a big effort in the last few years to catch up with their United States and European competitors.

So second-half growth of around a quarter on top of the first half's 70 per cent upturn should produce an overall increase of some 40 per cent to £1,500m for the big four clearers. But the never-ending upward spiral of interest rates has disguised the clearers' potential vulnerability to falling rates, despite efforts to get more of their lending on to a fixed-rate basis. The stock market is already taking a jaundiced view of the hanks' capacity to withstand a drop in loan demand and interest rates.

After the sharp upsurge in share prices last autumn on the strength of the 3 point jump in MLR, clearing banks have been a weakish market since despite being able to show likely fully-taxed price-earnings ratios in 1979 of between 4 and 41-and around a point lower on SSAP 15 earnings—and yields that range from 52 per cent at Barclays to almost 72 per cent at Midland.

Analysts are less concerned about the extent of the downturn in 1980 if, as expected, interest rates and loan demand tails off. Greenwell's see the clearers almost holding their own with only a 3 per cent drop in overall profitability while others like Phillips & Drew and Laing and Cruickshank are much more optimistic seeing a further modest rise in profits in 1980.

US Accounting

Currency standard under attack

The pressure on the dollar is a timely reminder to the accounting profession that time and the foreign currency markets wait for no man.

It is now almost a year since the United States accounting rule-making body, the Financial Accounting Standards Board, announced that it was to rethink its policy on how gains and losses on foreign currency should be shown in the accounts of American multinationals, and indeed any other company with a presence in the American capital markets; in the United Kingdom Shell has been especially outspoken about doing it was widely praised for acknowledging that the torrent of criticism of its standard FAS 8 had some substance.

But since then deadlines for new proposals have come and gone, and now with the United States reporting season in full swingand with it the certainty of another year's reporting under the unpopular FAS 8 rule, there are signs that both industry and its accountants have had enough.

Industry has, of course, never made any secret of its dislike for a rule which insists that even unrealised losses should be shown on the face of the profit statement, thereby causing violent (and it would say unnecessary) swings in delcared profits for companies with heavy overseas debts.

Now the accountants seem to be weighing in, with a lengthy attack recently from one of the United States's most influential members, Mr Joseph Connor, senior partner of

Price Waterhouse. He criticised the board for their "inordinate delay" but more significant was his complaint that FAS 8 was conceptually wrong because the busi-ness realities underlying international operations were too diverse and complex to yield to a "simple accounting solution".

Instead, he suggested, accounts ought to reflect the policy objectives of businessmen long-term, which effectively means that short-term currency fluctuations on debt could be ignored or at any rate pur into a suspense account to allow the trading performance of foreign operations to show through uncluttered by global exchange

At the moment, the FAS 8 appears to want foreign operations shown as if they were part and parcel of their United States parent, whereas its critics argue that these businesses have a life of their own, are run separately and their accounts should show their independent progress.

Translating everything into dollars, as required under FAS 8, obscures the real performance of these subsidiaries. One solution that accountants in the United States seem to be moving towards is to translate only those items which relate to the current trading performance and place others like gains and losses on debt into another account where they will not affect the profit

figures.
Whether auditors would be able to make sure that their "presentations" were fair or indeed able to stand up to the boards of multinationals on this score is another matter. But as leaders of the British, Canadian and American accountants try to thrash out FAS 8, it only goes to highlight a continuing difficulty of profession, which is the search for an ideal standard covering all companies and all situations. The inflation accounting debate in this country has shown how tortuous this can be.

Guthrie

In Sime's

Guthrie shares dropped 90p from their peak of 900p last week on growing doubts that Sime Darby will return in April, a year after its last bid failed on the run in. The fall must be alarming for the Guthrie board given that the likelihood of a new bid presumably increases in inverse ratio to the direction the shares are moving.

There is no doubt that Sime will eventually move again for Guthrie in its aim to form the world's biggest plantation concern but the odds are increasingly stacking up against an offer in the near future. Buying in the Far East by parties friendly to Sime will undoubtedly have strengthened the group's hand since it failed by a mere percentage point last time.

Against that, however, assuming 900p would be the lowest Sime could offer in current conditions the cost of the bid would be £181m against £105m last time for the 70.1 per cent of the shares it does not own.

Meanwhile Guthrie is expected to announce a defensive takeover—probably for City and International Investment Trustwhich will have the effect of diluting Sime's stake to around 27.5 per cent, while other acquisitions could be on the horizon. And the group would endear itself more to small shareholders if it were to split the shares: their loyalty could be a key factor in any

The trump card, for the moment, however, capital gains tax consideration supports the view that the unit trust group would not be a willing seller at even £10 a share cash and it is unlikely to be enamoured of Sime paper. Sime could of course go for a partial bid and be content with control for the moment, while an attempt ar a boardroom coup cannot be ruled out given the fine balance of

Interestingly Montagu Loehl Stanley estimate that at 800p a share Guthrie's plantations would be nationally valued at MS5,650 an acre which is well short of values in the MS8,000 to MS9,000 range reflected in current prices of group's like Consolidated Plantations, Harrisons Malay-sian Estates and Highland and Lowland. There are sound reasons, however, for the disparity based on local market valuations of acreage although some professionals feel the gap is too wide.

Can South Africa keep politics out of the factory?

South Africa's new deal for black workers has been in operation for only four months, but already there are doubts that it will ensure industrial

Surprisingly, the least of the problems comes from the far right of the white labour movement. People like Mr Arrie Paulus, the leader of the Mine Workers' Union—who says blacks are, like "baboons"—are angrily raising the standard of revolt. They claim that in granting registration to black unions the Government is "saddling a horse it will not be able to ride".

So far Mr Paulus has found little support. The bulk of the established labour movement has studied the fine print in the new labour law and agrees with the Government that black unions can be better controlled if they are brought under the official umbrella.

Mr Fanie Botha, the Minister of Maupower Utilization, recently admitted that the earlier policy of discouraging black unions by refusing to give them official recognition—and, he might have added, by banning or locking up their leaders—had failed. Despite the obstacles placed in their way the infant black unions continued to grow. peace. Surprisingly, the least of the

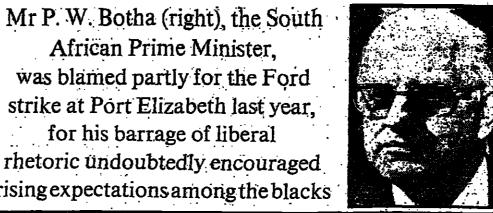
placed in their way the infant black unions continued to grow. It became clear that even tougher repression to kill the black unions was no longer an option. At long last the black unions have won their battle for recognition. But they still face formidable obstacles.

Up to now their struggle has been against employers and the Government. They now face a third adversary—the moderate centre of the white labour movement. Some of them even feel the three have formed an upholy alliance.

by elected committees of black workers, and have no formal links with the established (white) union movement. unholy alliance. Like employers and the Government, the white unions want to keep black unions in their The Federation of South African Trade Unions (Fosmu), place. Statutory job reservation.

—whereby the Government dewhich represents a dozen inde-pendent unions, alleges that in pendent unions, alleges that in some factories personnel managers are helping the parallel unions recruit. Two Britishowned companies, GEC Machines and Telephone Manufacturers of South Africa, are crees that certain jobs are open solely to whites—is on the way out, so the white unions want to ensure that they have other means of holding on to their exclusive access to skilled jobs.

African Prime Minister. was blamed partly for the Ford strike at Port Elizabeth last year, for his barrage of liberal rhetoric undoubtedly encouraged rising expectations among the blacks



among those accused of bias, and the managing director of the former has indeed stated his preference for a parallel It is doubtful if most of the

union.

Moreover the influential Steel and Engineering Industries Federation of South Africa (Seifsa) has advised its 55,000 member companies not to allow black unions access to factories to recruit unless that are recogned. to factories to recruit unless they are registered.

The catch here is that even under the new labour law, registration is a privilege in the gift of the Department of Manpower Utilization not a right. This has caught most of the independent prices in the independent unions in a dilemma they wish to register as mixed unions so that they can open their ranks to wor-kers of all races, but this re-quires express exemption from

the prohibition on multi-racial On' the 'other hand most parallel unions, though effec-tively controlled by whites, are open to blacks only, so that they will ger registration more easily (one has already been registered). Once registered they have not only access to factories but also the legal right to raise objections should any other union seek registra-tion in the same industry.

advantage of employers, least of all if they want a true picture of black shop-floor sentiment so as to avoid strikes arising from bad communica-

It is doubtful it most of the white-run parallel unions are in any position authentically to represent black workers.

The parallel unions, like their white mother-unions, tend to be run from centralized head offices which are often remote from the tank-and-file membership. By contrast, independent unions have been able to keep snip. by contrast, independent, unious have been able to keep their members in the face of employer and security-police intimidation only by building up strong and democratic shop steward systems.

So the officials at the top are

better placed than the parallel unions to tell employers what their black workers are thinking. Moreover, the independent union leaders have more than once been able to restrain angry workers from staging wildcat strikes.

But not always: and thereby hangs a tale which, next to the parallel union strategy, points up the other reason why the new labour system may not ensure indistrial peace.

ensure industrial peace. any other union seek registration in the same industry.

The result is that the independent unions are in danger of being squeezed out. But this is not really likely to be to the

factory.

This was not a labour dispute. Indeed, Ford's wages, working conditions, and black promotion policies are such that it can justly claim to be one of the most advanced employers in the country. But when the workers' union—an independent union—tried to restrain them, they angrify dismissed it as too soft.

The strike was settled last

missed it as too soft.

The strike was settled last month. But it is regarded as a signpost to the future, for it suggests that the central purpose in the Government's new labour system—to keep politics out of the factories—cannot be achieved.

Mr Brian Matthew, the executive director of the Chamber of Industries in Fortilizabeth. says that black Elizabeth, says that black workers, given economic rights in the factories in the form of

been forced to resign after refusing to cut down his politi-

cal activities outside.

trade unions, but not political rights outside, will use thei new industrial bargainmapower for political ends, and even independent unions may not be able to stop them. Moreover, the very fact that the blacks at Ford saw better opportunities opening up for them in the factory, far from appeasing their hunger, simply whetted their appetite for better opportunities outside.

It is even possible that Mr P. W. Botha, the Prime Minister, was himself indirectly partly to blame for the Ford strike, for his barrage of liberal rhetoric last year undoubtedly encouraged this revolution of rising expertations. The present rising expectations. The presen upturn in the economy after five years of recession gave ever

five years of recession gave even more energy to the rising tide of black hopes.

Some people believe that if the Government does not intend giving blacks political rights, it would have been better advised not to have liberalized in the labour field at all and in so doing paxed the way for the factories in become the surrogate political become the surrogate political battleground of the 1980s.

John Kane-Berman

Oliver Stanley

Difficult options for Sir Geoffrey

Can we hope to see the process continued on March 26th or are pressures so severe that the Chancellor will be forced to reverse his briefly estab-lished "trend"?

That there are pressures is indisputable. Reductions in public spending have been difficult to stage manage; govern-ment debt has not been readily funded; and the public sector borrowing requirement is ex- above mere indexation. ceeding its £8,300m target for The Confederation of

all indirect taxes affect the retail price index, with obvious implications for wage claims, so limiting scope for further big limiting scope for further big switches. With British industry running into recession, corporation tax seems unlikely to be a buoyant source of revenue. The tax is under review, but, as discussed in these columns on January 7, the problem is bound up with the need for a resolu-tion to the inflation accounting

debate.
In the meantime, stock relief and 100 per cent writing down allowances cannot just be abolished. A likely move would be the promise of a consultative Green Paper, with a view to legislation in the Budget for 1981.

The obligation to increase personal reliefs in line with the increase in the retail price index represents another major constraint. This Rooker-Wise

Sir Geoffrey Howe, in his first formula—a famous victory of Budget last June, made a distinct shift from direct to indirect tax, increasing income tax thresholds and pulling out the concertinaed higher rate scale.

Sir Geoffrey Howe, in his first formula—a famous victory of the Budget war of 1977—now has a high price tag attached. Last year, threshold increases were calculated to take out of the tax net some 1.3 million rejoicing taxpayers. This is a particularly cost-effective form of relief, because small amounts are expensive to collect. Elimi-

They have therefore mounted a country-wide campaign to organize blacks into "parallel" unions which are formally separate from the white but effectively controlled by themeither through seconded white efficient accurate hard sicked

officials or through hand-picked cooperative blacks. In many cases they are doing this in fac-tories where a black-run union,

which is, independent of white unions, already has an estab-lished membership. British Leyland's South Afri-

can subsidiary is a case in point. For years an independent black union battled fruitlessly for recognition there, but Leyland invited in a parallel union increase.

A bitter fight for the hearts and minds of black workers has started between the paral-

lel and the independent unions.
The independent unions,
formed in the wake of the black
wildcat strikes in Durban in
January 1973, are committees of

nation of them helps to reduce administrative burdens. With wage rises running at 17 per cent plus during the year, the 1.3 million will mostly have been swept back in again. And so ir goes on-until a Chancellor can afford a real increase in thresholds over and

The Confederation of British the present year. For next year Industry estimates that a 5 per a figure of £11,000m is likely. cent real increase would con-On the broader battlefront, sume £500m. Rooker Wise might cost £2,000m. But thresholds must have priority if the poverty trap is not to be although the statistics are "promade deeper every year. As the visional" and must have been pace of inflation has quickened calculated without full recogniagain, the problem has become tion of 1978 and 1979 fiscal more acule.

tion of the clumsy and miscon need to console himself with ceived lower rate band of £750 capital taxation cuts, to be taxable income at 25 per cent, devised by Lord Cockfield.
with an appropriate increase of Abolition is out of the question.
personal reliefs. Whatever Instead, the thrust of the
solution is adopted, taxpayers, change will be to reduce rates
at the lower end of the scale and lift thresholds for stamp can expect this year, unlike last, duty, capital transfer tax and to do better than those near capital gains tax, at a cost of the top. Of course, indexation say, £200m;

HIGHER RATE TAXPAYERS 1978/79

THE BUDGET ARITHMETIC 1980

Personal reliefs, automatic indexation Personal reliefs, 5% increase Capital tax cuts Small business relief plus anti-avoidance technical measures

the higher rate bands is measures designed to restore badly needed, since in the long being steadily undermined by inflation. But, despite the pleas of representative bodies, it is hard to see executives on £20,000 a year getting handouts this year on the scale of 1979. As the table shows, the tide turned for them in 1977/78,

Another possibility is aboli-.. This class of taxpayer will

.. Abolition of investment income surcharge—which Lord Cockfield, for one, certainly regards as a capital tax-would cost another £215m, according to a recent Treasury estimate. Alternatively, he may get some relief from another set of

incentives towards work, investment and profits. One formula, recently canvassed in detail by Mr Stuart Valentine, Economic Adviser to The Stock Exchange, is known as Loi Monory, named after its founder. M René Monory, the French Finance Minister in 1978. Each French household is allowed to deduct against its tax bill up to new investment in shares of French companies.

The investment floor so generated has been considerable, but most of the money has gone into institutional hands which is not what we need here. Our institutions are already privileged. since life policy premiums and pension fund contributions both generate massive tax reliefs. Every Chancellor has a joker in his pack, but particularly after the recent parhamentary answer setting out the costs of applying it here, it is inconceivable that Sir Geoffrey would choose this one. A more likely approach would

needed during the early forma-tive years of a business, when corporate losses may still not be relieved against a pro-prietor's income and when money borrowed is still not fully deductible.

Technical changes of this class are administratively less costly and more in harmony with government policy of non-interventionism. They could justifiably be coupled with a new programme of anti-tax-

avoidance measures.

Since abolition of exchange control, which itself acted as a brake, it has become obvious that the twin statutory hurdles of section 478 of the Income and Corporation Taxes Act 1970 (for individuals) and section 482 (for corporate taxpayers) need to be revised. Both are gratuitously penal in some respects and weak in others. These two sets of measures—lumped yield terms....

So how are the threshold indexations to be financed? Value-added tax as a source was heavily raided last year and only the last traditional refuge of Chancellors remains—the alcohol and tobacco syndrome is upon us once more.

After all, alcohol and tobacco are cheap in real terms. If indexation is to be applied to in-come thresholds, why not also ... to duties originally conceived on an ad valorem basis?

All this, plus the ability to restate the health hazards of smoking and drinking make excise duties an obvious target. be further relaxations of the No one is obliged to consume rigid tax rules, which still make alcohol and tobacco. The virtues life wretched for proprietors of of not doing so are about to small companies. Reliefs are become blindingly obvious.

Business Diary profile: C. G. Tracey, Rhodesian ubiquitous

On Wednesday, Zimbabwe-Rho- the Rhodesian equivalent of leaders of the armed services, desia's armed forces reserve quangos and were voted on to the Civil Service and of Rhode. will be called up and will stay on duty until next week's elec-tions are over. A black government will then be in power.

As blacks move into power and influence in politics and business in the new state of Zimbabwe, many who will be saddled with the responsibility of running a modern complex nation will have one white man in particular to thank for the opportunity of a preview of what is expected of them.

C. G. Tracey is a progressive businessman and farmer and a most remarkable white Rhode-He runs one of the most suc

a racehorse breeder of note; and is chairman of no fewer than 35 companies. He has become known outside Rhodesia since 1963 as founder chairman of the Zim-babwe-Rhodesian Promotion

Council, a private sector organization which exists to promote Rhodesia's economy inside and outside the country. In the past ten years Tracey and his multiracial board has done much to "sell" their country to governments, foreign businessmen and the

media.
Internally the promotion council has been what Tracey calls "bridge building" through regular dinners, meetings, sym-posia and organized visits to bring together the leaders and potential leaders of all racial

mentarians, were appointed to man-

the Midlands, to mines, to the huge tobacco auction floors in Salisbury and to see modern farming operations. They met

quangos and were voted on to commercial boards so the Z-R sian business.

PC decided it was essential of Tracey; Dr Isaac that they knew how their country ticked.

Tracey's council took them to last Parliament, says;

Through his efforts many the vast sugar estates in the "Through his efforts many steamy low veld, to the big whites have learned that there Risco iron and steel works in were blacks of the highest were blacks of the highest calibre in any field. We need people like C. G. Tracey in the new state of Zimbabwe ... people who are dedicated



Communities.

As black politicians began slipping into power as parlia. Not afraid to get his feet wet. C. G. Tracey, Rhodesia's advance

to the cause of unity and who know no colour bar.

Although firmly apolitical, Tracey was drawn unofficially more into the shadowy world of diplomacy as successive Rhodesian governments strug-gled vainly to reach a political

Regarded as a man who could be trusted implicitly, and with his vast network of contacts he was soon to be seen in Whitehall, in Washington, in Paris. His lean, angular figure flitted from continent to continent and like some restless thatow he nonned up in the shadow he popped up in the homes and offices of some of the most important and famous people in the western world.

The travel restrictions imposed on Rhodesians after UDI seemed rarely to hinder this subtropical Kissinger. Last year be visited Britain and Europe seven times as well as making side trips to America and the Far East.

Born 56 years ago, Christo-pher Geoffrey Tracey, or C. G. as he is better known, has no need to work so hard. He is wealthy and not ambitious for public office. "I have been asked several

times to stand for Parliament but I am too much of an indi-vidualist and could not abide the regimentation of party politics. To be obliged to shur up when I might disagree with a Cabinet, or caucus decision would be too much for me", he

He works so hard simply because he is a pairiot of the old school. Both his parents came to Rhodesia 60 years ago.

Tracey's formal education ended at 15. He had passed his Oxford entrance exams, but the outbreak of the Second World War put paid to univer-sity prospects. With so many Rhodesian men volunteering for active service in 1939 Godfrey Huggins's Southern Rho-desian government was obliged to compel many young men to stay at home and keep the agriculture industry going.

Young C.G. found himself at 20 managing five farms of local men who had gone off to war. By 22 he was appointed to his first board.

He says that over the past 5 years of UDI his country has emerged against all the odds as the most balanced and deve-loped African country after South Africa. "It was tragic when in 1965

UDI came and sanctions were imposed". Traccy said. "I never agreed with UDI but equally I considered sanctions to be immoral. Once the status quo had happened I felt

Jobless aggravate Ulster troubles

Ulster industry has been cynical unemployed men once through a Hard winter. Particularly hardest hit sectors have title the Maiden City derived the manual and the manual areas of "women's been the clothing textile and synthetic fibres.

synthetic fibres.

The Government's decision last week not to apply quotas or tariffs against the mass import of cheap American polyester fibres, which are drastically undercutting the domestically produced alternatives, has caused profound disquier. quiet.

There is no confidence that he EEC Commission's efforts to persuade the Americans to curb their exports will produce results.

Even if there were, at this

Even if there were, at this late stage, to be protective measures they would be too late to saye a large section of Northern Ireland's synthetic fibre industry. Courtaulds is well advanced on the total run-down of all its polyester operations in Northern Ireland and McCleery-L'Amie is also closing down production. The loss of jobs in Ulster's fibre plants since September last year exceeds 1.000.

In clothing and textiles the story is much the same. Last Thursday three announcements

to be immoral. Once the status quo had happened I felt obliged to defend my country to the best of my ability. I saw various sectors of the economy being damaged by sanctions.

"Love is almost a corny word to use but the greatest compliment ever paid to me was by someone who said I was a true patriot. So my love of my country is the right way, I suppose, of describing overall what mutivates me. I happen to think this is the best country there is and I am determined to try and keep it this way for all people black and white."

In clothing and textiles the steel strike upon food processing, even that important sector is seeing retrenchment and closures. Mik puddings are one of the more unlikely examples of the more unlikely examples of the deindustrialization of the United Kingdom with the decibusinesses within three days sion of the Heinz group to close through lack of orders and price its Pickling Foods substituting that they were to close Coleraine this summer:

I happen to defend my country is much the same. Last thurs amount that important sector is seeing retrenchment and closures. Mik puddings are one of the more unlikely examples of the more unlikely examples to the more days sion of the Heinz group to close through lack of orders and Pickling Foods substituting to the businesses within three days sion of the Heinz group to close through lack of orders and Pickling Foods substituting to the proposition of the united Kingdom with the decibusinesses within three days sion of the Heinz group to close through lack of orders and Pickling's milk puddings are one of the more unlikely examples of the more unlikely examples to close two old established clothing that they were to close through lack of orders and Pickling's milk pudding end country is the right way.

I suppose, of describing overall what mutivates me. I happen to think this is the best country perhaps, one was a suppose of describing overall manufacturer of into go to be perhaps.

Specialist manufacturer of into go to the deindustrialization of the

from its excess of "yomen's work"—are also demanding protective measures. They want drastic revision of the multi-fibre agreement which was meant to reduce the fided of cheap Third World imports. It is claimed that the agreement has not worked. While the domestic market has been severely hit the quality export

> Industry in the regions

markets, once enjoyed by both-clothing and textile manufacturers in Ulster, have largely disappeared.
Apart from the effects of the steel strike upon food process-

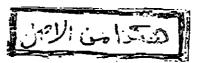
shipperd continues. After the redundancy of 600 workers last autumn another 470 are to be auruini another 470 are to be paid off at Easter which will is ave employment at less than 6,750. No timinent upture in me the yard's fortunes is in sight although H and W hope that a its run of four heavily subsidized passenger/car ferries for British Rail will be followed by two similar ships for P & O by two similar ships for P & O. by two similar ships for P & O.

But not everything is gloomy
on the Ulster industrial scene.
Over the shipyard's well Shorts,
the planemakers, has a briging order book and, with 6,200
workers, is seeking another 300
qualified engineers, computer
staff and skilled shopfloor
operatives. The inflated pound
is causing problems for this
95 per cent export-tied company ethiologic lack of work
is not one of the problems.
Shorts's £36m contract for work
on the Boeing 757 jediner has on the Boeing 757 jetliner has been followed by news last

on the Boeing 757 jettiner has been followed by news last week of a Ministry of Defence contract worth more than £20m for Browning missies for British's Tearitorial Army.

To the dismay of some of its critics who have tried to talk it into disaster from the day it was amounted, the American De Lorean sports car project in south Belfast, in which the British Government has a shostantial stake, is up to schedule. The plant is built and largely equipped; Belfast-built preproduction cars are running and the workforce is well on the way to being trained. The racy De Lorean summer less than two years after the deal was signed for site.

Bob Rodwell



S Berisford warning on profits growth

By Alison Mitchell

Profits growth in the current decade at foods and commodities group S. & W. Berisford will not equal that of the 1970s when the figure multiplied over 10 times, the chairman, Mr Ephraim Margulies, warns shareholders in the annual

However, although trading Conditions are depressed, the chairman views the future with restrained optimism on the back the wide spread of Berisford's activities both in the United Kingdom and overseas.

In the year to September 30 last, the group made a round half of its £32m pre-tax profit in the United Kingdom. The sugar division is likely

to be hit by the cut-back in the EEC quotas although Mr Margulies reports that the EEC decision will not affect the current financial year. The period has started on a

Brussels will have a crucial affect on the division. On the consumer foods side,

the set-back last year, as a result of the botulism outbreak, has been recovered and there is a "healthy" improvement in margins. On the manufacturing side, subsidiary Matthew Walker (Derby), is about to increase capacity to cope with the stepped-up demand, while expansion at the British Pepper & Spice company is currently being held back by a shortage of labour and productivity

capacity.
In the wake of the rise in the gold and silver prices the secondary metals division has made an excellent start to the year and the chairman expects this side.
The acquisitions last year,

coupled to increased stocks at the year-end, has almost doubled borrowings to £127m and the chairman points out that the high cost of money is low key and the chairman warns making "substantial inroads" that the quota negotiations in into the group's profit margins.

Medens up 17 pc in spite of high borrowing costs

Despite borrowing costs up the group's latest interim from £524,000 to £990,000 first-half profits (before tax) 17 per funds up from £2.54m to £2.73m, cent higher at £326,000 (£277,000) are announced by Medens Trust, the South-coast based instalment finance group. Turnover in the six months to December 31, 1979 is up 22 per cent at £11m (£9m) and reflects a continued advance in the group's hire-purchase business, mainly involving loans to car-buyers.

An increased interim dividend—up from 0.4p to 0.5p per share—is declared, on equity capital up from £1.15m to

revenue reserves up from £723,000 to £808,000 and advances to customers up from £15.8m to £17.1m.
Group borrowings during the

lins, chairman, said: "Provid-ing there is no material drop in our present level of activity during the remainder of our finan-cial year, we look forward to apital up from £1.15m to maintaining last year's rate of profitability on the enlarged During the six-month period, capital base."

half-year rose from £12.8m to £13.9m, with institutional lending to the group up from £8.6m to £10.6m. Mr Alford Col-

We are most of us wrong about who was buying Consolidated Gold Fields, and further reflectious on the marter should perhaps be offered in an appropriately contrite spirit. But since contrition is not a virtue for which journalists are distinguished. I intend this week to ask what Mr Oppenheimer might think he is up to, and to look at the fashionable City theory that this is the year of the mining finance

Mr Oppenheimer has done two things: he has bought a good investment cheaply; and he has effectively prevented anyone else from doing the same. On the first point, the merits of Gold Fields were discussed at length last week. Suffice it this time to point out that stockbrokers James Capel have calculated that the future profits from Gold Fields of South Africa, in which the London company has 46 per cent, are worth £2,227m to Cons Gold at current prices, or about £15.16 per Cons Gold share. Mr Oppenheimer paid 615.5p in Tues-

day's blitz.

The fact that his little operation cost him: about £160m is beside the point: Anglo American, to which half of the Cons Gold shares bought by De Beers will be offered, is to spend £380m on a new shaft at Western Deep Levels extending into the Ultra Deep Levels lease area

Finance houses look over their shoulders

(at 3,880 metres it will be the deepest gold mine in the world). That will be financed out of retained earnings. The yield on Cons Gold of 3.7 per cent is still not a particularly expensive way of buying a controlling stake in what will soon be South Africa's biggest and most profitable gold producer.

MINING

Equally important from Angle's strategic standpoint is preventing other parties from controlling GFSA. Whether that was the intentron—and it is unlikely that Mr Oppenheimer would have overlooked the possibility—it was certainly the result. Once the opportunity arose,

Amax defends Rosario purchase

Top executives of Amax, the year the group made S1m a day, giant American natural re- he said, and this year would be the company's plans and pros-pects for the next few years. For their part the analysts re-sponded with some harsh criti-cism of the company's most re-cent move, the purchase of Rosario Resources, writes Anthony Hilton from New York. In particular, critics claimed that the nurchase price could that the purchase price could only be justified by the cur-rent high price of silver, which might not be sustained. They also argued that many of the mines were in Latin America, where the political climate was potentially unstable, in apparent

contradiction to the company's stated policy.

Mr Pierre Gousseland, chairman of Amax, countered with a glowing profit forecast. Last

sources group, spent an evening even better. Profits in the first in New York last week telling quarter of the current year were 200 investment analysts about running as high as in the ex-the company's plans and pros-pects for the next few years. For their part the analysts re-invest \$1bn a year for the next five years.
Throughout the early 1980s

the supply of molybdenum, which accounts for 60 per cent of group profits, will increase. But Amax expects prices to stay firm as demand for alloys rises under the impact of extra defence spending, and demand for high temperature engines. The company is exploring for oil and gas in 23 American states and the North Sea, where it has 12 per cent of gas produc-ing block K13. Further discoveries in K10 will provide additional production, though they were still being evaluated, Mr Gousseland said. He also re-

has a pilot plant operating in Florida and hopes to be in full production by 1984. Indeed the only sour note

concerned coal—the company is the third largest in the American coal industry—and demand is currently lagging far behind capacity. But even here the group supplies the mineral on long-term contracts, and is insulated against any sharp price drop

price drop.

Mr Gousseland said the main problems the company faced were inflation and energy costs. Inflation would push up the cost of new capacity, and as Amax has been a heavy spender in recent years it will be better placed than its competitors to meet increased demand. Energy costs rose 29 per cent last year to \$90m compared with a \$3bn turnover.

buying into GFSA themselves. To that extent, I ose, attributing the recent months' activity suppose, attributing to Afrikaners was correct.

What happened, in short, was that the London market found itself the unwitting victim of another round in the struggle between the Afrikaner and the English in South Africa. Anglo American has always to balance its origins, strength, and comparatively liberal sentiments with the need to remain on good terms with a Nationalist Party which has ruled South Africa for a generation.

As Mr P. W. Botha the Republic's Prime. Minister, tacks between the economy's chronic need for skilled labour and dichard resistance to relaxing apartheid, Mr Oppenheimer's influence is likely to grow rather than diminish. It is, therefore, advantageous for Mr Oppenheimer to stake out his claim now. Those with longer memories might also reflect on the historical symmetry by which Gold Fields, the company founded by Cecil Rhodes with his fortune from diamonds (De Beers), has been brought back into the fold (or laager). .

The City's cynics, who are numerous and flourishing, are not impressed by such sweeping considerations. They fall into two camps; those who believe that Mr Oppenheimer will wait before buying more Cons Gold shares, and those who believe he will do it immediately. One stockbroker who has worked extensively in the South Africa mining industry thought the suggestion that Mr Oppenheimer, thought be as good as his word in not wanting a bigger stake such a joke that he retailed it over the telephone to the rest of his office. Howls of mirth crackled down the line.

Howis of mirth crackled down the line.

Cons Gold's problems, whatever Anglo's intentions, are just beginning. For a company which has prided itself on the variety of small shareholders, adjusting to a single big one will be painful. It is hard to accept that the management will not spend some time looking overits shoulder, although Cons Gold will not necessarily be warren up.

necessarily be worse run.

But will other mining finance houses also be watching their rear? If one compares the current ratings of Charter Consolidated, Rio Tanto-Zinc, and Selection Trust with the mining fin-ance house booms of 1968-9 and 1973-4 it is clear



Sir Mark Turner, chairman of Rio Tinto-Zine:

That argument, of course, applies to the mass. ket as a whole. But few sections of the market are fuelled by high and rising metal prices, pars ticularly precious metals. Another burst of the action in gold and silver, combined with more diamond-news from Australia, could hardly fail to push mining finance houses up further.

But only one company, RTZ, is still wide open. Anglo now dominates the market through its 36 per cent of Charter, 26 per cent indirectly: of Selection Trust, and 25 per cent of Cons Goldan A merger by Anglo of some or all of these three ... still seems far-fetched, though evidently quite ? within Mr Oppenheimer's scope:

within Mr. Oppenheimer's scope.

Renewed designs on RTZ, presumably not from Johannesburg are not so remore. The field ing is growing among watchers of the company that RTZ could be entering middle age.

After the advances of the lare 1950s and the 1970s under Sir Val Juncah, the company hear no major new projects on hand. The last mine, Rossing, was started five years ago. Developing another could cost approaching all RTZ's equity—another could cost approaching all RTZ's equity—Two years ago Exton was remoured to be in—

Two years ago Exion was rumoured to be in-terested in closer cooperation, and other oil majors, or even other mining companies such as Amax with its gushing cash flow, must have given the idea a passing thought. Perhaps Mr. Oppenheimer has given them cause to think

Michael Prest

BUILDINGS TO

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Emhart Corp margins hit

Farmington, Connecticut.— recorded a loss in earnings of Emhart Corporation, confirming earlier forecasts, has mr T. M. Ford, chairman and reported net earnings for the president said Emhart in fourth quarter of 1979 down from \$19.42m to \$5.66m (£2.46m), mainly because of problems in the production of plastic and rubber-based auto-

Net earnings for the year were down 23 per cent, while revenues for the year were 17 per cent ahead and 21 per cent chead for the quarter. Fully-diluted earnings for the fourth quarter were 46 cents a share, compared with 1977's revenues compared with 1978's revenues Primary earnings were 46 cents a share (\$1.62 a share).

for the quarter of \$366.32m.

For the year as a whole, net earnings were \$53.67m, compared with 1978's earnings of \$70.15m. Fully-diluted, earnings were \$4.30 a share in 1979 and \$5.77 in 1978. Primary earnings were \$4.38 (\$5.93).

Mr Edgar F. Kaiser Jr chairman said part of the proceeds has been applied to the payment of \$322.5m of debt and that a previously-announced that a previously-anno

sented a \$16m after-tax loss, of the 27.03m common shares equal to \$1.28 a share, which of the company outstanding at includes \$8.5m for losses on \$43 a share. The offer will exopen contracts extending into pire on March 7.—AP—Dow 1980. In 1978, this operation Jones.

president said Emhart, in common with many companies, also had difficulty keeping pace with inflation through price increases especially in the third and fourth quarter. "As a result we have seen profit margins decline," he added.

International

Kaiser Resources

Vancouver. - Kaiser Re-Worldwide revenues for the fourth quarter rose to \$443.78m for the quarter of \$366.32m.

and \$5.77 in 1978. Primar, ings were \$4.38 (\$5.93).

Worldwide revenues for 1979 ment of \$322.5m of deviation of \$322.5m of deviation of \$322.5m of deviation of that a previously-announced tender offer will be posted to the company's shareholders.

The loss at Bailey Division, in the production of automative components, representative components, representative components, representative components and \$5.77 in 1978. Primar, and an \$5.77

Investors are only slowly get-ting used to the taste of bad majors will have grown by 44 news. Briefly, inflation is per cent last year. He also worsening, the trade gap is thinks they will rise by 7 per widening and booming money cent this year—and fall by just cent this year—and fall by just over 20 per cent in 1981. In the supply means a postponement of a drop in interest rates. Mr Bill Buchan of Kemp-Gee concludes that the longer end of **Brokers' views**

the gilt-edged market looks unattractive in relation to the tento-fifteen-year area. However, for those feeling more cautious the prospect of some slight easing in money market conditions bank shares to be firm. After over the next few weeks should favour shorts, where yields of 15! per cent are readily avail-

Banking and Finance are dis-cussed by Mr John Spiers and Miss Sheila Hall. They point out that banks have performed poorly against the market so far this year and there seems little sign of a pre-results rally. However, the section is considered fundamentally cheap". The authors favour Barclays and

The "big four" banks announce 1979 profits towards the the exception.

Carr Sebag now thinks that Barclays will report pre-tax profits of £506m, up 36 per cent; Lloyds £259m, a gain of 42 per cent; Midland £292m, a rise of 26 per cent; and Nat-West £452m, an advance of 52 per cent. Total profits are indi-cated to rise 39 per cent to

Hoare Govett, represented by Mr R. J. Barrett, thinks that

short run, Mr Barrett expects

Attractions of the shorter end of gilt-edged

that, further duliness can be expected as attention turns to 1981.

Hoare indicates £505m for Barclays; £267m for Lloyds; £310m for Midland; and £480m for NatWest. Total profits of £1,562m, a 44 per cent jump, are suggested,

or of £988m in current cost accounting terms (under ED

24), a rise of 20 per cent. A survey of hotels, catering and entertainment comes from de Zoete & Bevan written by N. Kerr and Miss Sarah Williams. The upshot is advice to buy HTV non-voting stares,
Scottish TV "A", and speculatively LWT "A", and Coral. The
"holds" are Trusthouse Forte,
Anglia TV "A". Assoc Comms
"A", Granada "A", Trident
TV and speculatively, Ladbroke. The only "sell" is Grand
Metropolitan.
Picticarpages in excipt twee

Big increases in casino taxes are expected in the Budget. Controls on gaming will also grow stricter. For predators, "Coral provides a more attrac-

than Ladbroke."
This is because Coral shares count to assets than Ladbroke's; Coral has the stronger leisure interests; it is more decentralized and de Zoete claim to know more about Coral than Ladbroke.

Property is spotlighted by Vickers da Costa which in this case means property man, Mr G. G. Ireland and economist Mr P. G. R. Lyon.

The gist of their argument is

that demand for space will ease a bit as the economy moves in-to recession. However, the easing will be slight. In 1981-82 rents are likely to rise strongly. So Haslemer and Great Portland are still recommended, as are County and District, and Property Security Investment Trust among small developers.

British Land looks particu-larly cheap. Town and City are selected for recovery potential, and in the shorter run Capital and Counties should do well as asset value increases. Vickers also has a circular out advocating investment in fast-

marketing. That means Electrocomponents. Farnell, Diploma In a detailed review of the outlook for the two United Kingdom-based oil majors after

the convulsions in the oil market in recent months, Wood, Mackenzie pinpoint the attractions of Royal/Dutch Shell over British Petroleum. Even though their down



Mr Nicholas Coral, chairman of

stream—that is refining and marketing—activities are likely to do better than in the depressed period after 1973, analysts Carol Ferguson and Tony Mackintosh argue that Shell's growing strengths in oil and gas production have gone 'unrecognized" by the market These are growing electronic component faster clip than BP, whose oil output is projected to be on a plateau in the years abead—and the United States oil majors for that matter.

The brokers look for operating profits in 1980 growing at 16 per cent for BP and 19 per-cent for Shell, a flatter trend than last year owing to the distortions from stock profits.

Business appointments

Mr H Lang to be chairman of P-E International

Mr Hugh Lang is to succeed Mr nternational and Mr L. J. Weaver. becomes managing director.

Mr C. A. Davies has been appointed executive deputy chairman of Computer Technology and Mr R. J. Spud Taylor is appointed director.
Mr E. J. Murfin has been made

group finance director of Renold after the retirement of Mr E. B. Mr Darrell W. Wynn has been appointed sales director of Euro-

pleasure.

Mr D. G. Lyon has been elected chairman for 1980-81 and Mr J. G. Hogg and Mr S. R. Arnold deputy chairman of Lloyd's Insurance Brokers' Committee of the British Insurance Brokers' Association.

Mr Paul Ployman has been appointed finaucial director and Mr James Mitchell production director of Fronde Engineering. Sir Lawrence Boyle, who retired recently as chief executive of Strathclyde Regional Council, has joined the board of The Scottish Mutual Assurance Society.

Mr Colin R. Young, previously

works director, becomes director and general manager of Dormobile.

Mr Robert H. Baker, formerly special projects director, becomes deputy general manager and commercial director. Mr John H. Warie former general categories Wode, former general sales man-ager, is made director of sales and Mr Roger E. Stapleton, previously chief engineer, director of design/ engineering.

Peter Wannwright

Mr John Conrie, Mr Douglas
Bauckham, Mr Colin Batts, Mr
Reginald Liddiard, Mr Christopher



Mr R. J. Spud Taylor of Computer Technology.

Coleman and Mr Berek Smart's Brown have been appointed the ridirectors of the new insurance of broking from Corrie Bauckham salts.

Taylor Clark, has joined the board of Caledonian Associated Chemas, Mr. Ian Campbell has been appointed vice chairman of the British Railways Board with effect. from March 1, succeeding Mr David Bowick who retired last 3

ALCAN ALUMINIUM (UK) LIMITED

Summary of Results

Sales	307.3	269.7
Added value	87.7	80.1
Profit before taxation	6.1	10.9
Profit attributable to Ordinary Shareholders	5.0	8.0
Funds generated from operations	15. 4	.18.8
Average capital employed	200.4	186.1
Pre-tax return on capital employed	 -	
(before interest)	8.4%	9.5%
Earnings per £1 Ordinary Share	11.2p	18.1p
Recommended Dividend per	•	-
£1 Ordinary Share (including	•	•
interim of 3.3p already paid)	6.6p	9.9p
Number of employees (average)	8784	9145

"In common with most of U.K. manufacturing industry, the company was affected early in the year by severe weather conditions and the national transport strike, and in October by the severe effects of the national engineering strike. In addition, some of our major operating companies suffered loss of production due to a combination of

production and industrial relations problems. The strength of sterling reduced export sales price realisations and held down domestic prices because of increased competition from imports. This downward pressure on prices, coupled with inflationary cost pressures, had a considerable effect on earnings. An increase of £50/tonne in the price of primary aluminium ingot was, however, implemented in November, reflecting the progressive strengthening of the world market price as the year progressed. This increase came too late to

contribute significantly to the 1979 results. Inflation in 1980 is likely to be running at 17-18%, and it seems probable that sterling will remain at

the adverse impacts on company earnings that this combination brings. Against this gloomy outlook must be set the world supply-demand relationship for aluminium which while slackening somewhat during 1980 is likely to become tight again in 1981 and succeeding years, and underpin market prices for aluminium throughout the world. More locally, the company's results in the latter part of 1979 showed a distinct improvement, despite the effects of the national engineering strike, and this gives a balance of some optimism to an otherwise unattractive economic environment." Extract from the Chairman's statement.

1979

£ million

an unjustifiably high international level, with all

£million

The full Report and Accounts for the year ended 31 December 1979 will be available after 5 March 1980 on request to the Company, Alcan Aluminium (UK) Ltd., Publications Dept., Alcan House, South

Reporting season opens for the clearing banks

Friday signals the start of the clearing banks reporting season, ton Viyella, the textile group.

Guthrie shareholders will also show more than a passing interest in the interim figures of Sime Darby, which is thought to be ready to make another bid for their company following

following its unsuccessful attempt last year.

Economic indicators commence on Tuesday when the Central Statistical Office publishes the preliminary estimate of gross domestic produce of gross domestic produce based on output data for the fourth quarter.

On Wednesday, the index of average earnings for December is published by the Department of Employment, followed on Thursday by the public sector and local authority borrowing requirement for the fourth quarter, again from the CSO.

Also on Thursday, the Departto show the problems of in-ment of Industry releases the manufacturers and Distributor's organization costs.

to show the problems of in-currency; markets bas put pressure on the banks' interwhen full-year figures are annual acturers and Distributor' nounced by Lloyds Bank. That apart, this week contains a rather mixed bag of companies with full-year profits from Anglia Television and Carringing the sales and order in the engineering industries. Finally, on Friday, the Department of Industry announces the sales and orders in the engineering industries for November.
Full-year figures from Anglia

Television on Wednesday will show the ravages left by the 11-week technicians strike last year. As the group's year ends in October profits will have borne the full brunt of the strike, which ran from August until early November. Analysts are predicting that profits will tumble from £3.53m to £2.6m, with around lost revenue

amounting to some 15m.

Despite the reduced profits, the final dividend should still be maintained. When added to the 13 per cent increase at the interim stage this would add up to a total dividend of 4.75 gross. This will be comfortably covered over 2! times.

Carrington Vivella, also reporting on Wednesday, is likely

organization costs. pressure on the banks Estimates for the full year to national operations.

December 3 show pre-tax pro-fits sliding from £14.5m to about £10m or £11m. Reorganization and rationalization This week

costs, taken above the line, are expected to be around the £3mmark, while a loss of £1m is anticipated from the group's The Lordon clearing bank

reporting season gets under way on Friday with the full-year results from Lloyds Bank. High interest rates, and the exceptionally strong level of demand for bank loans reflec-ted in the Government's concern over money supply, have provided a favourable backpressure on the banks inter-

Lloyds Bank International has already reported a 10 per cent decline in pre-tax profits cent decline in pre-tax profits to £40.1m. There is, however, remarkable unanimity amongst analysts about Lloyds' figures, with most estimates in the £255-£260m hand, which would be an increase of around 40 per cent on last year's £182.3m. Greenwells for example, look for £257.7m, Phillips & Drew-come in a little lower at £255m while, Carr Sebag and Savoury Milln look for £258.5m and £259m respectively.

Monday.—Interims: Impala Platinum, Jentique (Hidgs), Kursaal Co, Malaysia Rubber and Sizewell European Invest Tst. Finals: Abbey Panels Inv, General Mining and Finance Corp. Marchwiel, Nottingham Manufacturing, Scottish Eastern Invest Tst, Temple Bar Invest Tst and Union Corp. ground for domestic banking TUESDAY. — Interims West-profits. Overseas, however, minster and Country Properties.

Finals: City Offices, Drake and Scull, First Scottish American, Tst. Ernest Jones (Jewellers) Meldrum Invest Tst, Mercantile Meldrum Invest Tst, Mercantile.
Invest Tst (amended), Norfolk
Capital Grp, Olives Paper Mill,
Thermal Syndicate, West Coast
and Texas Regional Invest Tst.
WEDNESDAY.—Interims: Australian and International Tst.
Sime Darby Berhad, Utd Real
Property Tst and Viking Resources Tst (special int).
Finals: Anglia Television, Bemrose Corp. Berisfords, Carrington-Viyella, Poweign and Colonial Invest Tst, Cillett Brothers
Discount, Utd States Debenture,
Updown Invest and Vareenig-Updown Invest and Vereenig THURSDAY.—Interims: Con solidated Plantations, Ewart New Northern, R. and J. Pull-man, and Tor Invest Tst. Finals: Al Industrial Products, Anglo-International invest Tst, Newbold and Burton Hidgs, Romney Tst and St Andrew Tst. FRIDAY — Interims: Second Alliance Tst. Finals: Alliance Tst and Lloyds Bank.

Michael Clark

The end of the sixpence

New £50 note comes in as the tanner fades away

Almost nine years to the day since Britain went decimal, the Government has chosen to scrap the last vestige of pounds, shillings and pence coinage the sixpence.

Financial secretary, Mr Nigel Lawson announced last Thursday in a written ommons reply to the Treasury, that following a review of the coln it will cease to be legal tender after June 30. Some "tanners" are worth more dead than alive, anyway. The limited 1953 issue is reckoned to have a rarity value of £25 and any pre-1920 version is

minted almost entirely of silver. Whatever any sentimental feelings you may have rowards the coin, first minted in 1551, its disappearance could well be part of a growing trend for higher value notes and coins inspired by inflation, and the buoyant "black economy" whose growth consistently worries the Inland Revenue.

Whether a "tamper fan " or not, its inspired in the state of the

importance as a coin is that it carried a half p denomination which is a convenient answer to any argument for roising prices in whole pence. With its

The signature of Mr D. H. F. Somerset will appear on banknotes. stable mate, the half p " tiddler ", it has been considered in Whitehall as an important factor in restraining inflation. And with the sixpence gone, how long will it be before the "tiddler" also

bites the dust? Latest figures from the Royal Mint show that 233m ip coins were struck in 1977. The following year it was found that only a third of that number were needed to comfortably meet demand from the banks, who have refused to recognize the ip on cheques from D-Day in 1971 and who are thought to have campaigned for the removal of the

sixpenny piece. The up is still important to the grocery trade and a recent survey showed that of 10,000 prices monitored.

around 21 per cent still used the 1p for around a pricing.

But the majority of people are finding little use for a coin whose value weakens by the day.

Much more in demand are higher value coins and notes as prices rise and paying cash to avoid recording a transaction, thus sidestepping VAT and tax, has become much more attractive. In 1978, the Royal Mint virtually In 1978, the Royal Mint virtually tripled its production of 50p pieces as more slot-meters were converted from 10p to 50p coins and the f1 coin cannot be far away. Next year, the Bank of England plans to bring in the highest value more in the United Kingdom, worth £50. Officials are now adjusting its design to take the signature of new its design to take the signature of new Chief Cashier, Mr David Somerset.

Already, it is believed the Scottish banks are pushing ahead with their own 150 note in response to public demand. Five years ago, asking a excidriver to change a "tenner" for any short trip would have been chought embarrassing. Offering a bus conductor 50p would have meant wairing until he had taken all the fares before he had sufficient change. Now both can manage the transactions with ease.

The reasons are on display every-

where:

Beer at 10s a pint, petrol at around f1 3s 0d a gallon and a first-class stamp at almost 2s 6d.

According to pundits, Britam is catching up with America in the irend towards the cashless society, where the weekly grocery bill is deducted direct from your bank account.

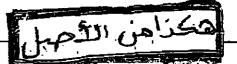
But the attraction of paying cash—

"It will work out cheaper if I don't have to pay tay, or charge you. VAT"—

have to pay tax, or charge you VAT"— and rising prices has increased the de-mand for those old-fashioned crisp

Philip Robinson





MARKET REPORTS

No prospect of a recovery soon

 TO_R

in ilation

The tale of two markets continues unabated with the gap between the prosperity of the dry-cargo sector and the decline in tanker-trading becoming ever wider.

As rates sink lower and lower, there have been several

lower, there have been several reports of tanker-owners considering returning their vessels to lay-up.
However, despite reports, every little, if any, evidence exists to suggest this is happening. Many owners would have already experienced tomage in lay-up, probably returning it for trading some time last year as the market improved; and so, would consequently be reluctant to put ships back into this inactive state both because of the cost element and also because it is possible a recovery is just around the corner.

The real prospect of that is

The real prospect of that is bleak. The mild winter in the Northern Hemisphere has resulted in high oil stocks making demand low and this has combined with the political problems in the Middle East to add up to a depressed mar-

Freight report

ket. Furthermore, there is the substantial volume of available substantial volume of available tonnage now waiting in the Gulf for which the hopes of obtaining cargoes are thin.

As an alternative to putting tonnage back into lay-up some owners are considering placing their ships on period charter. With the bargain prices now on offer, charterers are keenly pursuing this prospect providon other, charterers are keenly pursuing this prospect providing that cargoes can be found. Mobil seems to support this idea and took two vessels, as well as a rumoured third, on 12-month time-charters. The first involved the 260,000-ton

first involved the 260,000-ton Maasbree booked for a trip to Europe at Worldscale 36 on slow-steam, followed by the charter at \$1.35.

The second, just taken on a time-charter, secured \$1.31, while the unconfirmed vessel was reportedly booked at \$1.40. Whether this trend takes off only the coming weeks will show.

only the coming weeks will show.

With demand weak, VLCC rates keep on falling and now average between Worldscale 32 and Worldscale 34. One ULCC taken last week obtained Worldscale 28.5 on fuff-steam. While the Gulf worsens—although inwards the end of the week there were hints that this there were hints that this sector was about to pick up for no accountable reasons—the Caribbean and Mediterranean areas improved and the firmness of Indonesia was main-

tained. Colder weather in the Caribhean brought hopes of better demand and higher rates and in the Mediterranean inquiry increased as did rates.

The strength of dry cargo trading is readily evident, but the rate of improvement over recent weeks now seems to be

action. Time-chartering busi-

The volume of Transatlantic grain fixtures fell, but rates for large tonnage remained stable between \$15 and \$16. It emerged during the week that the United States grain ban European countries. There seems to be few fears that any grain sold to these countries will filter through to Russia because of inadequate port and transport facilities for largescale movement.

easing.

Grain trading was less significant than usual last week with coal, iron ore and other cargoes accounting for more of the ness was quiet.

David Robinson

Bank Base Rates

ABN Bank 17%
Barclays Bank 17%
BCCI Bank 17%
Consolidated Crdis 17% Consolidated Crdis
C. Hoare & Co ... 17 %
Lloyds Bank ... 17 %
London Mercautile
Midland Bank ... 17 %
Nat Westminster ... 17 %
Rossminster ... 17 %
TSB ... 17 % TSB 17% Williams and Glyn's 17%

7 day deposit on sums of £10.000 and under 15% up to £25,000 15½% ever £25.000 15½%

Airsprung Group Armitage & Rhodes

Bardon Hill

Capitalisation COCO's

900

Wall Street

New York, Feb 15 .- Sto prices closed lower but above the worst levels of the day. Declini issues outnumberedgainers by 9 to 307. The Dow Jones industri average, which had been dow more than 13 points, finished dow 8.79 at 884.98. Shares decal vo ume of 46,680,000 compared wi volume of 50,540,000 yesterday.

The Labour Department reporte that producer prices in Januar rose 1.6 per cent or 19.2 per ce on an annual basis. The Federa Reserve said industrial production rose 0.3 per cent in January.

Gold down \$7.15

Sep. 25.00-05c; Oct. 16.75c; Jan, 25.60c; May, 26.10c, March, 5179.50-

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Floating-rate notes in vogue

With the market for fixed-rate dollar eurobonds in sorry shape, underwriters are trying to pursuade their government as the price rises to bring the to pursuade their government as the price and corporate clients to raise yield down. funds in the floating-rate Nonetheles note market, writes AP-Dow

Jones.

However, the FRN market has been dominated by commercial banks which act as both borrowers and lenders in this market. Observers say that it is doubtful that commercial banks will be pleased to see their potential customers borrow on the same terms that they do in

pays semi-amual interest at the quarter point above interbank offered rates for dollar deposits in London. This is the same rate that banks pay for their IRN

issues. However, the ENEL offering provides a substantial "perk". Noteholders will be allowed to convert the issue on any coupon date into ENEL's 10 per cent fixed-rate bonds of 1995. Assuming that long-term interest rates decline below 10

Nonetheless, the ENEL offering has its critics. ENEL issued FRN's in May 1970 that paid interest at 0.75 points above

Euromarkets

the same terms that they do in the FRN market. Nevertheless, this is being tried....

Currently under way is a \$200m, seven-year FRN for the Italian electrical power utility, Ente Nazionale per L'Energia Elettrica, which is known as ENEL. Managed by Societé Generalé in Paris, the issue pays semi-amual interest at the favourable terms. favourable terms.

Also under way is a \$50m, six-year floater for Societe Financiere Pour les Telecommunications et L'Electronique SA (SOFTE), the financing subsidiary of the Italian telephone company, Societa Finanziaria
Telefonica per Azioni (STET).
This issue pays semi-annual
interest at a quarter point
above interbank offered rates and is managed by Credit Lyongais.

The issue provides managers with a slightly higher gross commission of 2.125 per cent, than the 2.0 per cent being paid on the ENEL offering. Moreover, the minimum coupon rate will be fixed at 6.5 per cent compared with 5.25 per cent for the ENEL offering. Nevertheless, some bankers said the terms were not acceptable and that the issue has little chance Harts 244. 329. 45. 45

15 3h

of succeeding.
Syndicate sources say that Banque de Paris et des Pays-Bas is working on a \$50m, seven-year floater for C. Itoh and Co, the Japanese trading company. Like the other float-ers under offer, the issue will pay the standard quarter point above six-month interbank offered rates. However, the issue should win some acceptance among banks because will be guaranteed by a bank, Dai Ichi Kangyo Bank.

In addition to the Italian and Japanese FRN offerings, Standard Chartered Bank is floating a \$75m 10-year FRN through a syndicate led by J. Henry Schroder Wagg and Co. Stan-dard Chartered has most of its operations overseas, including the United States where it has acquired Union Bank of Cali-

Eurobond prices (yields and premiums)

The state of the s	EEC 8'. 1982 7'. 1983 Bearice Foods 7'. 1983 E. C. Princy 5'. 1983 F. 1984 F. 1983 F. 1984 F. 1985 F. 1985 F. 1986 F.	88" 12.411 14.36 12.411 14.36 12.42 87" 12.42 87" 12.40 89" 12.40 89" 12.40 89" 12.40 89" 12.40 89" 12.40 80" 12.50 80" 1	Comalco 10° 1991 S2° 1992 1992 1993 1994 1995 1994 1994 1994 1994 1994 1994	Fren Social Process Fren Fren Social Process Fren Fren
إ	TORR	79'4 15.56 81'4 15.42	Williams & Clyns 15 1991 97% 13	3.50 Warrier Lambert 4's 1987 70's 59.25 Xerox 5 1988 71 60.73

Weekly list of fixed interest stocks

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	Lalest . price	prés Wook	Б
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92 24 101 00	43 58%	421 <u>.</u> 584
Do 8'4 Deb 87-92	661	67 74
Beecham 6' Ln '78-83	71 65	74 63
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primit Gest 4.º ru .84-	56 •	581
Blue Circle 7 Deb '88-		561,
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Burion Gp 9's Ln '98-	68' .	69 _
2003	67	67
Cadbury Schweppes 8'.	45	57
Coats Palona 41. Ln	60	31
L 2002-07	34	34
Do 71, 90-95 Courage 6% in 2004	57' <u>~</u>	56%
Do 8 2nd Deb 89-94	45°- 621	453.
	Δu	491
Do 7 '82-87 Do 7º Deb '89-94	641 581	62°
Debenhams 6'4 2nd Deb	50 ~	50 -
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Do 75, Ln 2002-07 Distillars 7, Ln 188-95 Dunlop 64 Deb 185-90 FMI 7 Ln 187-92	581.	58 T
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Do 7, Ln 193-98
Do 7, Ln 195-91
Do 8, 193-92
Do 7, Ln 196-91
Do 8, 193-93
Imparial Gp 4 Ln 17530
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Initial Services 8 Ln
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3	74	Netal Box 10°, '92-97 Midland Bapk 10° La '93-98	777	777
7 1	6 3 71	193-98 Nat West Bank 9 Lt	771 _s .	77'
56 •	58°•	Rank Hovis 6' Ln '76-	66%	6714
ģ.	561. 671. 752 64	81 Do 6' In '85-88	87¹ 60°	861. 60
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ã.	64	Reed Int 74 Deb '90-	614	621
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-	97°	Scot Newcastle 5", Deb	754	75°4 65
7 A -	591. •	'87-92 Scot Newcastle 5", Deb Do 7", Deb '89-94 Slough Est 7', Deb '85- 90	654	63
7	67		T41	TEG
	-	Smith (W. H.; 5 ⁴ , Lr. Spillers 7 Deb '78-83 Do 7 ⁴ , Deb '81-89 Tata & Lyle 7 ⁴ , Deb	an:	66
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6 0 9	52° 50°	ind & Can 41, '94-99	129	991 961
Š	501.	BPB 7°, '89-94 Bowring C. T. 1961 Ritt Petrol 6 '76-80 Crand Met 10 '97-95 Cuest Keen 6°, 1985 Ind & Can 4°, '94-99 Lucas Ind 6°, 1980 McDC 8 '89-94 McDC 8 '89-94	155	144
_	21's	Midiania Basis 7° 83°	814	7812
51.	57	Romney Tst 41, '73-98 Stock Cony 51, 1984 Temple Bar 6, '87-91	385.7 881.7	352
4	64	Ex qiviqeuq	27	84

Unit Trust Prices-change on the week FT Index change on week 462.6+1.2(0.3%)

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Prev Ch'go V'cod on Offer Week Trust	Current 31d Offer Yield	Prev Chige Wiend on Offer Week Trant	Current Did Otter Yield	Prev Ch'gs W'and op Ofter Week Tgjast	Current 344 Offer Yield	Prev Chiso Wend m Otter Week Trust	Bid Offer Yiel
Authorized U:		156.2 +6.3 Chardings (2) 729.4 +8.3 Do Arcum (2) 158.1 -7.8 Dir Fod	160 4 162.5- 4.56 23-1 20-7 13-6 13-1 145 9- 8-34	177.5 +0.6 Man 'B' Bond 116.3 +0.3 Money 'B' Bond 177.4 +0.4 Man Pan Acc	123 9 130.4 2 110.7 110.6 120.3 129.8	136.1 +0.2 Money First 136.6 +0.2 Do \A\ 131.0 Actuarial Fund	138.3 158.8 131.0
Abbey Cult Trial 1-89 Gateboure Rd. Affect 52 - 49 & American Gre	urs. Rucks 0296-5047. th 50.2 531 1.69	64.1 -1.7 Euro & Gen Inc. 24.7 -1.7 Euro & Gen Inc. 24.7 -19 Entre Vield	280 303.8 R.M.	1186 +2 1 Do Initial 121.4 . Git E Per Ace 110.6 -6.1 Do Initial	115.3 121 4 ::	138.3 -0.3 Cut Eaged 139.3 +0.3 Do A	138.6
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62.3 *4.6 Net Mind Lind 18 L *3.4 High Income 42.7 *1.7 Equity Income	74.3 79.5 7.43	36.7 +17.6 Do Accum		109.1 +7.1 2nd Dep 99.1 +0.9 5nd Gut	114.8 121 5 108 8 116.2 64.8 100.3	35.80 Property	1 34.81 35.59 ce Society Ltd. 0892 2227.
31.5 *0.7 International 31.4 *1.9 HighYheldFnd 31.2 *3.3 Hambro Fnd		310.7 *2.7 Smaller Cos Fac 310.7 *2.8 Do Accum 165.8 *1.0 Trustee Fad	225.7 240.4e 4.00 300 0 319.5 4.00			Tunbridge Wells, Kent. 273.1 Rei Prop Bnd Save & Prosper G 4 Great St Helen's, EC3P 3EF	. 273.3
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Twinlock Ord
Twinlock 12% ULS 3,369 Unilock Holdings 5.6 7.1 Walter Alexander W. S. Yeares 6660

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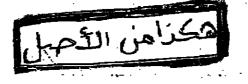
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ACCOUNT DAYS: Dealings Began, Feb 11. Dealings End, Feb 22. § Contango Day, Feb 25. Settlement Day, March 3





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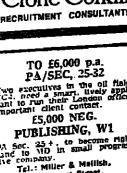
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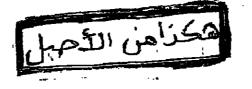
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PART-TIME VACANCIES





The unlovely Sid Snot will be returning in The Kenny Everett Video Show tonight (see below)

• In my youth, which was not all that long ago really, the radio programme no self-respecting follower of fashion dared to miss was Jack Jackson's record show. It wasn't the music so much as the tapes with which the disc-spinning was punctuated: smatches from the Goons, Round the Horne, Hancock's Half-Hour and the like. Compared with the innovative Jackson, all other disc jockeys were ordinary, and they remained so until Kenny Everett was unleashed upon an unsuspecting world. Everett's brash, iconoclastic humour made him a star—and also made him too hot for the BBC to handle—but radio never gave him the opportunities he exploits so brilliantly in The Kenny Everett Video Show (ITV, 7.00). Perhaps it is not too sweeping to say this is the most original show on television. Allegations that my favourite part is the Hot Gossip routines are entirely without foundation.

• An unusual detective story is the subject of Horizon (BBC 2, 9.30). The setting is the remote Lin Xian valley in central China, where 20 Chinese scientists have spent almost two decades trying to find out why the incidence of cancer of the ocsophagus in the district is the highest in the world, and how it can be eradicated. The study indicates how easy it is for harmless chemicals to become deadly cancer agents through the basic processes of everyday life. The Lin Xian scientists discovered that things like soil, plants, fungus and even methods of cooking can release carcinogens and their investigations illustrate the difficulties of combating a disease with such a multiplicity of subtle causes. Tonight's programme is to be followed up next Monday by a report on the western approach to the treatment of cancer and the possibility of a "wonder drug".

I cannot pretend to be a committed Olympics-watcher, but I do find more excitement and entertainment—television's main function is to entertain, is it not?—in the Winter Games than in the boringly repetitive athletics that will fill our screens this summer, God and the politicians (no relation) willing. Pechaps all that snow and ice does something for my northern temperament. Anyway, there is a strong element of drama in Olympic Grandstand (BBC 1, 6.45). Apart from Robin Cousins going for a gong to add to his European title. we have the prospect of a needle match in the pairs figure skating. The American couple Tai Babilonia and Randy Gardner won the world championship while the Soviet stars Irina Rodnina and Alexander Zaitsev were off the ice having a haby. Can the Americans win an Olympic gold, or will the

Russians prove that they are still the best? Radio pays tribute to a triumph of Victorian eccentricity in Khalil of the Nomads (Radio 3, 8.45). The Khalil of the title is otherwise known as Charles Montagu Doughty (1844-1926), a poet and traveller whose book Travels in Arabis Deserta

a curious mixture of Chaucerian and Elizabethan English sprinkled with Arabic-has become a classic. Norman Rodway plays Doughty.

WHAT THE SYMBOLS MEAN: †STEREO; *BLACK AND WHITE;

Broadcasting Guide

Edited by Peter Davalle

4.20 Touche Turile : Cartoon series

(r).
4.25 Jackanory: Prunella Scales
100 parole from Fawity Towers)
reads Ursula Moray Williams's
charming story Bogwoppit.
4.40 Heyry, it's the King: Cartoon
5.00 John Craven's Newsround
the best news programme on television, I've heard it said).
5.05 Place Bester, Records and

TELEVISION Caught the Bumps by Judy Whit-

6.40 am Open University: The Binominal Theorem; 7.05 ABC in Kansas City. 7.30 Concorde Class Study. Closedown at 7.55.
9.00 For Schools, Colleges: A Good Job with Prospects 1r); 9.30 Biology—The Kidney (r); 9.32 Communicate 1 (r); 10.15 Music Time (r); 10.38 Maths Topics—Trigonometry (r); 11.00 Serve Yourself Right (r).

vision, I've heard it said).

5.05 Blue Peter: Barney and Bumble, two Canadiau beavers, take a dip in the studio.

5.35 The Perishers: Cartoon.

5.40 News with Richard Baker.

5.55 Nationwide: Glyn Worsnip goes to work as a dustinan in the first of three features enitled Givn's London.

6.45 Olympic Grandstand: The Winter Games from Lake Placid (lucky old David Coleman). Most British attention will be on Robin Cousins as he competes in the first stage of the men's figure skating. Also pairs skating and skiing (see Personal Choice).

8.10 Pangrama: The unpleasantness Right (r).

11.25 You and Me: 1 2 3 4 5 (r).

11.25 You and Me: 1 2 3 4 5 (r).

11.40 For Schools, Colleges: The Silicon Factor (r). Closedown at 12.85 pm.

12.45 News.

1.00 Pebble Mill at One: A woman colonel from the Israeli army talks

colonel from the Israeli army talks about girls in uniform, and the star guest is Barbara Kellerman (you saw her last week in John Fowles's Enigma).

1.45 Bow Do You Do? Library Visit. with Carmen Munro (r).

2.01 For Schools, Colleges: Words and Pictures (r): 2.18 Japan—The Crowded Islands (r): 2.40 Going to Work (r). Close drown at 3.00. Work (r). Close down at 3.00.

3.15 Songs of Praise from Brighton (repeat from Sunday).

3.55 Play School presented by 3.55 Pl

10.30 The Handicapped Family: Help for families of the disabled— what assistance and benefits are

11.00 Play School: Same as BBC 1 at 3.55 pm. Closedown at 11.25. 2.15 pm Let's Go and cook a meal. Help for the mentally handi-

capped.
2.30 Roads to Conflict: The series about the origins and development of the Arab-Israeli conflict turns to

the 1956 war and the involvement

3,00 That's the Way the Money Goes: Brian Redhead and David

Tench offer advice on how to deal with salesmen who call at your

9.30 am For Schools: Repeat of last

9.30 am For Schools: Repeat of last week's programmes for the half-term break: 9.30 My World; 9.47 Finding Out; 10.06 How We Used to Live; 10.28 Starting Out; 10.45 The Living Body; 11.01 How We Used to Live; 11.22 Picture Box; 11.39 Making a Living.
12.00 We'll Tell You a Story: Christopher Lillicrap Introduces puppets, pictures and songs.
12.10 Rainbow: More puppets and songs, plus a story called Fat as a Fiddle.
12.30 Numbers at Work: VAT and Interest rates (repeat from Sun-

Interest rates (repeat from Sutaday!. 1.00 News with Peter Sissons.

1.20 Thames News. 1.30 About Britain: Tom Welr goes

to the Shetlands.
2.00 Food, Wine and Friends:

Robert Carrier introduces actress Patricia Medina, who is proud of being unable to cook. Passing quickly on, there is a look at the wines of Bordeaux and some fish

cookery. 2.30 Monday Matinee: The Card (1951).* Alec Guinness in one of

of the super-powers (r).

3.30 Delia Smith's Cookery Course: Learn how to make spangherti bolognese, pancakes and even crepes suzette. (Repeat from Friday).

4.00 Modern Language Teachine: How three Oxfordshire schools do it (r). Closedown at 4.35.

4.50 Open University: The Research Iden. 5.15 Renaissance and Reformation. 6.40 am Open University: Deep Sea Container Ports. 7.05 Roman Pots. 7.30 Seeing through Drawing. Closedown at 7.55. 10.05 It Figures: Jimmy Young's guide to everyday maths. Part 7, figuring out the 24-hour clock and

and Reformation.
5.40 Laurel and Hardy: Marvellous old movies.* 6.00 James Burke's Connections: Thunder in the Skies. From skat-ing on the Thames to making love in private; from soda water to scent spray to package holidays. Can your poor old brain keep up with it?

Way: The poodle that hates men, the Scottle that won't walk on pavements and has to be carried, and other dotty dogs. Barbara Woodhouse can handle them, though.

7.15 News with sub-titles for the hard of hearing.

7.00 The Kenny Everett Video Show: Welcome return of an award winner (see Personal Choice).

7.30 Coronation Street: It's heain-

RENTALS

ASCOT & PROPERTIES

Pooh-otherwise

PROCESSION OF THE PROCESSION OF THE PRICE OF 7.25 Rock Goes to College: Pete Drummond introduces the New York-based instrumental group York-based instrumental group Spyro Gyra, on their first UK tour in concert at Leeds University. 8.10 The Goodies: Now it can be told—how Churchill woo the war (last of the present series, so don't miss in). miss it). 8.40 Des O'Connor Tonight: Guests are American comedian Rosmie Schell. Welsh singer Iris Williams and a man who needs no introduc-tion from me, Dickie Henderson

when it was run by a self-styled

Canadian millionaire.

9.00 News with Peter Woods.

9.25 Monday Film: The Blue Knight (1973). First showing on British television of a tough cop drama set in Los Angeles and based on a novel by Joseph (The Choir Boys) Wambaugh. William Holden and Lee Remick star.

11.05 Film 80: Barry Norman talks to Dustin Hoffman about the weepie to end all weepies, Kramer vs Kramer. Also a review of Rising Damp—the Movie, based on the inspired and popular 'television series.

series.
11.35 News headlines.
11.37 Education Matters: Adam Hopkins talks to Asa Briggs about the quality of higher education and the effect of planned spending

CUES.

Regions

tion from me, Dickie Henderson (applause).

9.30 Horizon: The Cancer Detectives of Lin Xian (see Personal Choice).

10.20 Russian—Language and People: How to go shopping in the USSR, and the first episode of a Muscovite love story (everybody say aaaaah).

10.45 Newsnight.

11.30 Arena: Female artists (as opposed to artistes) Peggy Taub

and Thalma Guldman are the sub-iects. (Repeat from Wednesday). 12.05 am Closedown. Anna Massey reads Patricia Beer's The Estuary.

THAMES

those good, solid Fifties British films. Based on Arnoid Bennett's novel, it is the turn-of-the-century story of Denry Machin, a young man determined to make his way known as William Rushton-gets his own show, which promises ec-centricity for its own sake. Willie is supported by Hugh Paddick, Roy Kinear, John Junkin and a bit of glamour in the shape of Caroline in the world and not too particular about his methods.
4.15 Clapperboard : Film previews 8.30 World in Action: Voice of

4.15 Clapperboard: Film previews with Chris Kelly.
4.45 Jukes of Piccadilly: Comedythriller series for children. Part 2 of The Corcelli Medallion.
5.15 Money-Go-Round: Joan Shenton and Tony Bastable with more advice on consumer problems.
5.45 News.
6.00 Thames News.
6.35 Crossroads: An arrest is imminent at the motel . . and Adam Chance confesses.
7.00 The Kenny Everett Video America, a report from the industrial centre of Lowell, Massachusetts, on the mood of working class Americans at this time of crisis and presidential electioneering.

9.00 The Sandbaggers: More manoeuvrings among the bureaucrats of espionage—sort of Mea from the Ministry with menaces. This week Sandbagger Two (I can't say that without a saigger! fails foul of a station head behind the Curtain. 10.30 Film: Lock Up Your Daughters ! (1969). Harmless, Tom

7.30 Coronation Street: It's beginning to look like Lonely Street, what with young Brian sleeping on the sofa and not-so-young Len brooding over an unscheduled return to bachelordom.

8.00 Rushton's Illustrated: The rubby, bearded reincarnation of Winnie the Pooh—otherwise Jones style nonsense that mixes Restoration comedy with more than a pinch of the Carry On variety. Stars Susannah York, Christopher Plummer. 12.20 am Close: Bernard Hepton (star of Secret Army) reads William Blake's poem London.

RADIO

11.00 Study on 4: World Powers in Radio 2 the 20th Century (18).
11.30-12.00 am Open University: 5.00 am New Social and Community Work; The Jones 17.32 Augustan Revolution.

9.00 News.
9.05 Week's Composer: Victoria + Padio I
9.45 Piano (S. Bradehaw): Schoenberg (opp 23, 25), Webern (incl op
27) + Page 18 2/1.7 10.30 Choir, piano: Kodaly.† 11.20 BBC Scottish SO/Elder, pt 1: Stravinksy, Mozart (Pno Conc 27— Orozco).† pm Interval reading.

BBCSSO, pt 2: Beethoven

12.20 Racesso, pt 2: Beetmoven (Sym 2).† 1.00 News. 1.05 Violin (Kremer), piano (live from St John's): Ravel, Satie, Mil-hadd.†

2.02 Woman's Hour.
3.09 News.
3.02 Listen With Mother.
3.15 Play: The Liverpool Match.
4.45 Story: Ron and Rita.
5.00 PM.
5.55 Weather.
6.00 News.
6.30 Frank Muir goes interpolity of the Public School. rom St John's): Raven, Sane, sailhand;
2.05 Organ: Heininen;
2.35 Matinee Musicale.;
3.35 New Records: Boccherini,
Loewe, Chopin, Berwald.;
4.53 News.
5.00 (and mono only from
6.20) Music for early evening.;
7.00 London Volces: Ponlenc,
Trevor Hold, Maw.;
7.30 BBC Northern SO, Downes:
Rachmaninov (Pno Conc 3—Wild),
Janacek (Sinfonietta);
8.45 Travel: Khalil of the Nomads,
from Charles M. Doughty.; rank Muir goes ublic School.† 7.00 News. 7.05 The Archers. 7.05 The Archers.
7.20 Science Now.
7.45 Play: First Love.†
9.15 Peunine Portraits (5).
9.30 'Kaleidoscope.
10.00 The World Tonight.
10.30 The News Quiz.†
11.00 A Book at Bedime.
11.15 Financial World Tonight.
11.30 Today in Parliament.
12.06 News.
12.15-12.23 am Westher.
VHF 9.45 Quartet (Gabriell), ptano (Curzon), pt 1: Haydn (op 77 no 1), Schumann (op 44).†
10.45 Story: Drought, by Elame Feinstein. 11.00 Gabrieli Ortet, pt 2: Haydu 75.50 am Regional news, weather. 7.50 Regional news, weather. 9.35-10.30 Schools: Traffic Educa-tion 50cc, Radio Thin King; Notice (op 54 no 2).† 11.25 Jazz in Britain.† 11.55-12.00 News.

tion 50cc; Radio Thin King; Notice Board I; Time to Move. 18.45-12.00 Schools: Da sind wir wieder I; Singing Together; Spring-board; Drama Workshop. 2.00-3.00 pm Schools: Exploration Earth; Listening and Reading II; Speak; Movement and Drama II. 5.50 Regional news, weather. VHF VHF
6.00-7.00 am Open University: An
Introduction to Schooling and
Society; Talking about Revolution; Thought and Reality.
6.29-7.00 p. Open University: The
Student of Religion; An Exercise
in Constructive Criticism.

Kacio Z

11.30-12,00 am Open University:
Social and Community Work; The Jones, 7.32 Ray Moore, 10.03
Augustan Revolution.

Radio 3

Radio 3

Radio 3

Radio 3

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Son am News, weather. 5.03 Steve Jones, 7.32 Ray Moore, 10.03
Jimmy Young, 12.30 pm David Hamilton. 2.03 Ed Stewart. 4.03
Much More Music. 15.00 News.
Son Wazgoners' Walk. 5.20 Much More Music. 16.03 John Duno. 18.02 The Organist Entertains. 8.30

Folk S0.7 9.02 Humphrey Lyttel10.01 9.55 Svorts Desk. 10.02 The
Law Game. 10.30 Star Sound. 11.02
Brian Matthew. 2.02-5.00 am, You and the Night and the Music. 1

5.00 am As Radio 2. 5.00 Dave Lee Travis. 9.00 Simon Bates. 11.31 Poul Burneti. 2.00 pm Andy Peebles. 4.31 Kid Jensen. 7.00 Srayin' Alive. 8.00 Mike Read. 9.50 Newsbeat. 10.00 John Pecl.: 12.0-5.00 am As Radio -VHE RADIOS 1 AND 3.

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Radio 4

9.00 News.

VHP

6.00 am News Briching.

6.10 Parming Week. 6.30 Today. 7.80, 8.00 News. 7.30, 8.30 Headlines.

8.35 The Week on 4.

12.55 Weather. 1.00 The World at Onc. 1.40 The Archers. 2.00 News. 2.02 Woman's Hour.

8.45 Patrick Moore: BEC Sound

9.00 News.
9.05 Start the Week.
10.00 News.
10.05 Money Box.
10.30 Daily-Service.
10.45 Four Frightened People (6).
11.00 News.
11.05 Offsbore Britons (5).
11.50 Poetry Please!
12.00 News.
12.02 pm You and Yours.
12.27 Brain of Britain.†
12.55 Weather.

Southern

Grampian As London except Start 9.25 am First Thing, 2.30 pm Film Great Catherina (Peter O'Toole: S.15 Wild World of Animals, 10.30 Reflections, 10.35 film: Charley Varrick Walter Matthau), 12.30 am Headline, Walter Matthau),

Scottish

Border Anglia

HTV a London except: 2.00 pm Here Today. 30 Film: Sleeping Car to Trieste Ubert Lieven: 4.15 Cizoperboard. 75 Dick Tracy. 5.20 Crossroads. 5.00 rport West 10.35 Food: Wise and tends. 11.05 Soap. 11.35 Mackanzie

Affair.

Aff

Ulster As London except 2.00 pm Film: Passage Rome (Anthony Steet Peter Finch: 3.45 Food Wine and Friedd Carlnon, 5.20, Crosswase, 6.00 Good evening Lister, 10.30 Irish Factor, 11.00 Odd Couple, 11.20 Gerdening. Westward --

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Tyne Tees As London excent Starts 9 20 am Greet Word 2.38 pm Film. The America Praten. with lan Carmichael Juan Greenwood. 5-25 North and Wirds 6.02 Crestroads. 5-25 Northern Life 10.30 Northern Report. 11.05 Film. 84ffeet 12.30 am Epinger.

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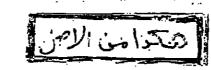
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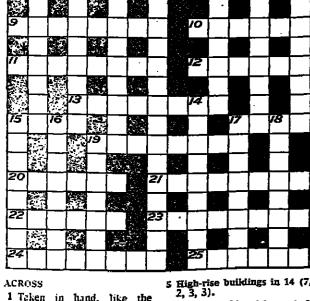
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(Ince Hargrave-Wright) and
(Charmet)

The Times Crossword Puzzle No 15.151



6 Jack up to his tricks again?

7 But it shouldn't be difficult to sell (8).

8 Sorry the camper's accommodation sounds so cheap (8).

Solution of Puzzle No 15,150

CRTCKET HEAGE
OF GET IN THE TENANCE
OF GET I

ACROSS

1 Taken in hand, like the coconut islands? (6). 5 Pour Hook's caught by policeman in eating-house 9 Children unspoiled by these

defeats (8). 10 Her sisters tend to assist her M Object of a quixotic charge 14 No real estate in this (8).

12 Bird's cry, returning to it 15 Coteries in secret assembly 16 Just a drop, but it could mean ruin (8). 13 Epic means of musical trans-Port (3). 17 I report a rearrangement of capital (8). 15 Conclusive evidence of un-18 It may by the foundation

supported legends (4). 17 in Whitechapel they hide 15 Control of this Lapland 19 To hurry goes against the grain in Cheshire (7).

20 This sort of right to given

20 This sort of right is given by letter (6, right is given 21 He's smart to little beasts (8) afound the 22 Losion it is simply ing (6). 23 Briskness, in City style?

Right in that (8).

24 Newgate's was no list of spints (8). 25 He got stuck, by George! DOWN

2 He might appear in camera (3).
3 Bully-boys in the ring? (8). 4 Destination of a dramatic consignment of wood (9). WRIGHT.—On February 7. to Rosalind and Trever, of Holly Coltage, Rowland, Bakewell—a daughter (Hannah Alicia Emily), **MARRIAGES** GOLDEN WEDDINGS

BIRTHS

ARMITAGE: MEYLER. — On 18th Frb. 1930. at All Saints Cathed-ral, Nairobi. Robert to Wyona. Now at Great Maytham Hall, Roi-venden, Cranbrook, Kent. **DEATHS**

DEATHS

WILLIAMS.—On February 14th, 1980, opercrully at his home after a fear Ilbaces Robert Edward South Ilbaces East Preson. Son Lane Close Ilbace Indiana Son Service Worthing Crematorium. Findon on Tuesday, February 19th at 5 p.m. Family cut flowers only pieses. But donations if desired may be sont for imperial Cancor Research Fund. c 'o' F. A. Holland & Son, Terminus Rd. Littlehampton. Sussex: Tell. 3959. YGLESIAS. DORUTHY SARAH. M.B.E.—Sudderly on February 14. 1980 at home, aged 89 years, beloved sister of the late Phyllis Mary. Funeral, service at St. Clement's Methodist Church. Monsehole Penzance, on Wandosday, February 37, 1980, at 10.45 a.m., and afterwards artists cremation at Truto. No flowers. Donations to Mouschole Wild Bird Hospital and Sanctuary. BARNATO.—On February 11th.
aged 45. Michael Jay of Lake
Taboe. Nevade, beloved husband
of Judy and dearly irvod brother
of virginia and florid.
BREWER.—On February 15th, May
Castor of 9 Belsize Square.
N.W.3 Beloved sister of Carla.
Enquiries to Lovertons, 181
Haverstock Hull. N.W.3. 01-586
4221.
COE.—On 17th February 1980. MEMORIAL SERVICES wise.—A service of thank-aiving for the life of Li.-Col. Honry Datter Wise, M.C., will be held at Holy Trinity Church, Ashlord-in-me-water, Bakewell, Derby-shire on Thursday, February 21st at 2,30 p.m.

DEATHS

IN MEMORIAM

ANNOUNCEMENTS

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LATE LADY HAILSHAM

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HAXBY, W. J. K., Licot. (E), R.N., H.M.S. Daring.—This for Remembrance.—R. M. H.

Haverstock Hill. N.W.S. 01-586
4221
COE.—On 17th February 1980.
suddenly in Bleifeld, West Germany. Col Mark Edward Coe.
OBE (late R.E.), very dearly loved husband of Anna and wonderful dad of Christopher, David, Peter, Robin, Simon and Sophic. Enquiries to 010-49-521-21770.
COPSON.—On February 16th 1980 Emeritus Professor Edward Thomas Copson, LLD, FRSE of St Androw's University, dearly loved husband, father and grand-father. Service in Collegiate Church of St Salvator, University of St Androw's On Thursday, February 21st at 2.15 p.m. afterwards at Dunder Cromalogue from 150.

5.30 c.m., Family Dowers only blease
DE GRELLE.—On February 15th. suddenly at Nuffield Nutsing Hospital, George C. Chissart De Greile Rogier, MBE. of 34 Bryansion Square, W.1. beloved husband of Evolyn and lather of Harold, Eric and Alain, interment in Chimny, Beignum, Services in London and Brussels later. ELMHIRST.—On February 7th. speed St. years, dearly loved write of Rob off much loved mother of has taken chiese Brindley. Funeral has taken chiese Brindley. Funeral has taken the Brindley. Funeral has taken the Brindley. Funeral has taken the beautiful and the Chiese Possum. The electronic typo-writer for the severely disabled. Can even be operated by mouth. Just one of the meny sids needed to help our in-curable patients lead lives as normal as possible. But to buy or even develop these sids, we need money. All donations most gratefully received (legacies especially welcome; by: Air Commodore D. F. Rixson. OBE, DFC. AFC. Director of Appeals and Pub-licity. The Royal Hospital and Home for Incurables (Putney and Brighton). West Hill, Put-ney. SW15 3SW2 01-788 45114

peacticity at The Emierdon
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Value Center, New Jorsey,
VS.A.
GARNETT.—On Fobruary 11th,
1980 at East Molesey, Jackie Garnett,
volumer daughter of the late
Onslow Garnett of Wainstalls, ar.
Hailiax, and Mrs. E. M. Carnett,
volumer daughter of the late
GREEN noullot fobruare 13th,
for the control of the late
of Martock. Somersot,
widow of Doctor Algernon Sanderiv of Martock. Somersot,
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noon stoke, reday solution noon releyNOLDS.—On Friday, February 17th 1980, peacefully in hospital Ellen Constance Reynolds indee Aspland of a Daws Close, Cherryhinion. Cambridge, Beloved and respected wife of William Henry Reynolds. Funeral service at St Andrew's Churth, Cherryhinion on Wednesday, Fobbruary 20th at 2.50 p.m. Flowers may be sent to W. Eden Lilley Private Capel. Mil Lane, Cambridge or donations if preferred to Royal Masonic Hospital, Ravenscourt Park, London.

THE KRYPTON FACTOR Take with you words, and SARAGA, WOLJA.—On 15th Feb-turn to the Lord: say unto him. Take away all inquily. and bird and severe liness. Crema-tion at Beckenham Crematurium on Thursday, 21st February, 4,20 p.m. Dobations if desired to The search is on for the Super-person of 1980, if you are physically fit, mentally agile, have a high LQ,, good observa-tion powers and a fair general translates then you could take knowledge, then you could take part in Television's toughest Quiz. Apply to The Krypton Factor. Granda Television, Manchester 5. Cancer Relief:
STEVEN.—On February 15. at his home. Pickhurst. Chiddingiold.
Guy Savile, beloved husband of broken hearted Bobby. Guy Savile, beloved husband of broken hearted Bobby.

TASKER.—On February 1 14th. 1980, peacefully at home, Janet Dayrell. Widow of Douglas Tasker. B.S.C.. M.S., F.R.C.S., and beloved mother of Alan. Funeral Service at St. Mary, Rodchiffe, Brisiol, on Wodnesday, February 20th. at 2.30 p.m. feitowed by private tremation. Family flowers only, but donastions if desired to Bristol Old People's Welfare.

THOM.—On 14th February, peacefully, at Chillon House. Chillon, Bucks. Aane Ilmon Whatsan. Donated wife of the late Carry. Thom and devoted mother of Anne. Robin and Charles and grandmother of John. Amanda, Flona, James and Annabelle, Funeral at 11,30 a.m., Wednesday 20th February at Litin Gadesdan Parish Church, Flowers to Malcoim Jones, 368 High Street, Berkhampstead.

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